BIJLAGEN:Functionele diagnostiek in de forensische psychiatrie: een literatuuronderzoek



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1-9-2015

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de heer dr. E. Bulten (Pompestichting);
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DEZE SEARCH GAAT OVER ARTIKELEN IN DE FORENSISCHE PSYCHIATRIE/PSYCHOLOGIE (I.E. COMBINATIE #1 AND #2), EN DELICT-GEASSOCIEERDE FACTOREN DIE TE MAKEN HEBBEN MET COGNITIEVE FUNCTIES (#3), PERSOONLIJKHEID (#4) OF ENVIRONMENT/RISICOFACTOREN(#5) . DATABASES: PUBMED (gezocht met [tiab]) AND PsycINFO (gezocht met [ti]).
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(#1 AND #2) AND (#3 OR #4 OR #5)

AND ("loattrfull text"[sb] AND ("2000/01/01"[PDAT] : "3000/12/31"[PDAT]) AND "humans"[MeSH Terms] AND (English[lang] OR German[lang]))

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NOT (cancer OR cardiovascular OR viral OR hormonal OR endocrine OR immunological OR neuroimaging OR MRI OR obesity OR cystic fibrosis OR surgery OR epilepsy OR EEG OR ECG OR stroke OR hypertension OR AIDS OR HIV OR pharmacology OR medication OR dementia OR Alzheimer OR menopause OR narcolepsy OR Parkinson's OR antibiotics OR pain OR genetics OR sclerosis OR "scar tissue" OR infarction OR gut OR mamma OR lung OR liver OR kidney OR spleen OR orthopaedic OR oncology OR rheumatology OR "internal medicine" OR immunology OR "immune system" OR viral OR bacterial OR knee OR hip OR fracture OR fever OR haematology OR suicide OR plasma OR blood OR CSF OR "killer cell" OR "killer cells")

9.1.2 Delict-voorspellende factoren

DEZE SEARCH GAAT OVER ARTIKELEN IN DE FORENSISCHE PSYCHIATRIE/PSYCHOLOGIE (I.E. COMBINATIE #1 AND #2), EN DELICT-GEASSOCIEERDE FACTOREN DIE TE MAKEN HEBBEN MET COGNITIEVE FUNCTIES (#3), PERSOONLIJKHEID (#4) OF ENVIRONMENT/RISICOFACTOREN(#5) DIE ZIJN ONDERZOCHT ALS VOORSPELLERS (#6), DUS HET GAAT OM PROSPECTIEVE ASSOCIATIES.

DEZE SEARCH IS DUS EEN DEELVERZAMELING VAN SEARCH 3, EN WEL DE ARTIKELEN IN SEARCH 3 DIE TEVENS VOLDOEN AAN #6 PREDICTIE.

DATABASES: PUBMED (gezocht met [tiab]) AND PsycINFO (gezocht met [ti]).

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9.2 Bijlage 2: geïdentificeerde uitkomstmaten

9.2.1 Uitkomstmaat hoofdgroepen

1 violent crime	21 domestic violence recidivism
2 property crime	23 antisocial behaviour
3 drug related crime	25 time to offense/recidivism
4 frequent violent crime	26 sexual aggression
6 multiple category crime	27 firesetting (recidivism)
14 traffic crime	28 homicide
15 DD	30 adult onset criminality
16 criminality	31 weapons offense
17 severe recidivism	32 parole violation
18 non-violent crime	34 arrests
19 sexual crime	37 delinquency
20 non-sexual recidivism	39 acquisitive recidivism

9.2.2 Uitkomstmaat subgroepen en aantallen associaties

```
-> out_cat = violent crime

                         outcome_code |      Freq.     Percent        Cum.
--------------------------------------+-----------------------------------
High frequency violent recidivism (vs.. |         10        1.33        1.33
              Less severe violent crime |          3        0.40        1.72
          Nonsexual violent recidivism |         88       11.67       13.40
Severe violent crime (homicide, robbe.. |         79       10.48       23.87
                      Violence age 14 |         21        2.79       26.66
                   Violence age 18-20 |         17        2.25       28.91
         Violent nonsexual recidivism |          1        0.13       29.05
                        Violent crime |        260       34.48       63.53
     Violent crime <5 yrs after admission |          1        0.13       63.66
          Violent crime before age 24 |         11        1.46       65.12
                   Violent recidivism |        263       34.88      100.00
--------------------------------------+-----------------------------------
                                Total |        754      100.00

------------------------------------------------------------------------------
-> out_cat = property crime

                         outcome_code |      Freq.     Percent        Cum.
--------------------------------------+-----------------------------------
                       Property crime |         65       58.56       58.56
  Property crime <5 yrs after admisison |          1        0.90       59.46
                  Property recidivism |         37       33.33       92.79
           Severe property recidivism |          8        7.21      100.00
--------------------------------------+-----------------------------------
                                Total |        111      100.00

------------------------------------------------------------------------------
-> out_cat = drug related crime

                         outcome_code |      Freq.     Percent        Cum.
--------------------------------------+-----------------------------------
                   Drug related crime |         43       52.44       52.44
Drug related crime <5 yrs after admis.. |          1        1.22       53.66
              Substance related crime |         28       34.15       87.80
         Substance related recidivism |         10       12.20      100.00
--------------------------------------+-----------------------------------
                                Total |         82      100.00

------------------------------------------------------------------------------
-> out_cat = frequent violent crime
```

outcome_code	Freq.	Percent	Cum.
1 offense	6	5.94	5.94
1-2 offenses (general)	17	16.83	22.77
2-3 offeneses	4	3.96	26.73
3-5 offenses (general)	17	16.83	43.56
4-5 offenses	4	3.96	47.52
>1 offense	2	1.98	49.50
>5 offenses (general)	21	20.79	70.30
Frequency of violence	24	23.76	94.06
High frequency offending (vs. Occassi..	2	1.98	96.04
Number of violent incidents	2	1.98	98.02
Occassional frequency offending (vs. ..	2	1.98	100.00
Total	101	100.00	

-> out_cat = multiple category crime

outcome_code	Freq.	Percent	Cum.
Crimes in more than 1 category	10	100.00	100.00
Total	10	100.00	

-> out_cat = traffic crime

outcome_code	Freq.	Percent	Cum.
Traffic crime	31	100.00	100.00
Total	31	100.00	

-> out_cat = DD

outcome_code	Freq.	Percent	Cum.
Drunk driving	16	100.00	100.00
Total	16	100.00	

-> out_cat = criminality

outcome_code	Freq.	Percent	Cum.
Conviction age 16-34	28	6.76	6.76
Criminality	92	22.22	28.99
Criminality age 21-25	2	0.48	29.47
Criminality age 26-30	2	0.48	29.95
Criminality age 31-35	2	0.48	30.43
Criminality age 36-40	2	0.48	30.92
Criminality age 41-45	2	0.48	31.40
Criminality age 46-50	2	0.48	31.88
General crime	1	0.24	32.13
General crime <5 yrs after admission	1	0.24	32.37
General recidivism	280	67.63	100.00
Total	414	100.00	

-> out_cat = severe recidivism

outcome_code	Freq.	Percent	Cum.
Severe recidivism	16	64.00	64.00
Severity of recidivism	9	36.00	100.00
Total	25	100.00	

-> out_cat = non-violent crime

outcome_code	Freq.	Percent	Cum.
Nonviolent crime	4	9.30	9.30
Nonviolent crime before age 24	10	23.26	32.56
Nonviolent recidivism	29	67.44	100.00
Total	43	100.00	

-> out_cat = sexual crime

outcome_code	Freq.	Percent	Cum.
Sex offense	1	0.81	0.81
Sexual or violent recidivism	1	0.81	1.63
Sexual reconviction	121	98.37	100.00
Total	123	100.00	

-> out_cat = non-sexual recidivism

outcome_code	Freq.	Percent	Cum.
Nonsexual recidivism	12	100.00	100.00
Total	12	100.00	

-> out_cat = antisocial behaviour

outcome_code	Freq.	Percent	Cum.
Antisocial behavior	38	100.00	100.00
Total	38	100.00	

-> out_cat = time to offense/recidivism

outcome_code	Freq.	Percent	Cum.
Time to general offense	1	5.88	5.88
Time to general recidivism	2	11.76	17.65
Time to recidivism	7	41.18	58.82
Time to sexual recidivism	2	11.76	70.59
Time to violent nonsexual recidivism	2	11.76	82.35
Time to violent offense	1	5.88	88.24
Time violent recidivism	2	11.76	100.00
Total	17	100.00	

-> out_cat = sexual agression

outcome_code	Freq.	Percent	Cum.
Sexually aggressive behavior	14	100.00	100.00
Total	14	100.00	

-> out_cat = firesetting (recidivism)

outcome_code	Freq.	Percent	Cum.
Arson	1	33.33	33.33
Firesetting recidivism	2	66.67	100.00
Total	3	100.00	

-> out_cat = homicide

outcome_code	Freq.	Percent	Cum.
Homicide	54	100.00	100.00
Total	54	100.00	

-> out_cat = adult onset criminality

outcome_code	Freq.	Percent	Cum.
Adult onset criminality	42	100.00	100.00
Total	42	100.00	

-> out_cat = weapons offense

outcome_code	Freq.	Percent	Cum.
Weapons offense	13	100.00	100.00
Total	13	100.00	

-> out_cat = parole violation

outcome_code	Freq.	Percent	Cum.
Violations of parole	12	100.00	100.00
Total	12	100.00	

-> out_cat = arrests

outcome_code	Freq.	Percent	Cum.
Adult arrests	3	50.00	50.00
Arrests	2	33.33	83.33
Juvenile arrests	1	16.67	100.00
Total	6	100.00	

-> out_cat = delinquency

outcome_code	Freq.	Percent	Cum.
Adolescent delinquency severity	5	13.16	13.16
Delinquency	25	65.79	78.95
Delinquency persistence	8	21.05	100.00
Total	38	100.00	

-> out_cat = acquisitive recidivism

outcome_code	Freq.	Percent	Cum.
Acquisitive recidivism	1	100.00	100.00
Total	1	100.00	

9.3 Bijlage 3: geïdentificeerde exposure variabelen

9.3.1 Exposure hoofdgroepen

1 conduct disorder
2 ADHD
3 ethnic minority
4 prior criminality
5 emotional problems
6 psychotic symptoms
7 drugs/alcohol
8 poor treatment engagement
9 sex
10 age
11 personality
12 time
13 anxiety
15 PTSD
16 psychopathy traits
17 SES
18 SMI (+drugs)
19 HCR20 (alleen interacties)
20 VRAG (alleen interacties)
22 anger
23 impulsiveness
24 PANSS psychopathology
25 MAST/DAST
27 non-schizophrenia
28 schizophrenia-spectrum
30 depression
31 adjustment disorder
32 bipolar
33 urban/rural
34 CA
36 IQ-related
37 life history aggression
38 parental (mental) factors
39 employment
40 marital status
41 educational adversity
42 clouded consciousness
44 apathy
45 catatonic stuporous
47 hostility
48 poor social skills
50 lack of insight
51 DSH/suicidality
52 paedophilia
53 sexual deviance
54 victim characteristics
55 group offender
56 J-SOAP
57 sexual offence severity
58 delinquent peers
59 sexual vs general
60 poor self-regulation
61 violence in SO
62 loneliness
64 paraphilia
66 STATIC-99
68 neurology/THI/Epilepsy
72 observed aggression
73 self-criticism
76 sexual victimization
77 exposure X-rated
78 fire interest
79 high risk admission/discharge
83 agitated at admission
84 abnormal speech
85 abnormal mood admission
86 insomnia
87 homeless/poor housing
88 lack supportive carer
89 family/friends support
91 parenting skills
92 gambling
93 maternal prenatal smoking
94 low emotional distress
95 prosocial/religious
98 birth(weight)complications
99 low cognitive stimulation
100 child health/behaviour problems
105 neurological soft signs
106 symptom dynamics

107 bullying	119 psycho-education
111 PDD	120 psychiatric aftercare
112 social behaviour CSBQ	121 treatment response
113 externalizing	124 general psychological problems
114 internalizing	127 quality neighbourhood/school
117 use of psychiatric medication	128 homicidal ideas at admission
118 (involuntary) admission	

9.3.2 Exposure Subgroepen en aantallen associaties

```
-> exp_cat = conduct disorder

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
                    Conduct disorder |         19       21.11       21.11
Conduct disorder (adolescent onset, p.. |          5        5.56       26.67
Conduct disorder (adolescent onset, s.. |          4        4.44       31.11
Conduct disorder (childhood onset, pa.. |          5        5.56       36.67
Conduct disorder (childhood onset, se.. |          4        4.44       41.11
     Conduct disorder (parent reported) |          4        4.44       45.56
       Conduct disorder (self-reported) |          4        4.44       50.00
             Conduct disorder + anxiety |          4        4.44       54.44
          Conduct disorder + depression |          4        4.44       58.89
     Conduct disorder + substance abuse |          4        4.44       63.33
                       Conduct problems |         24       26.67       90.00
          Hyperkenetic Conduct disorder |          1        1.11       91.11
                                    ODD |          8        8.89      100.00
-------------------------------------+-----------------------------------
                                  Total |         90      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = ADHD

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
                                 ADD |          3        5.77        5.77
                                ADHD |         28       53.85       59.62
                ADHD (parent reported) |          4        7.69       67.31
                  ADHD (self-reported) |          4        7.69       75.00
                        Childhood ADHD |          2        3.85       78.85
                    High ADHD symptoms |          1        1.92       80.77
                         Hyperactivity |          7       13.46       94.23
                           Inattention |          2        3.85       98.08
                     Low ADHD symptoms |          1        1.92      100.00
-------------------------------------+-----------------------------------
                                 Total |         52      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = ethnic minority

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
 African-American vs. European-American |          3        5.26        5.26
                       Asian American |          2        3.51        8.77
                    Black (vs. White) |         10       17.54       26.32
                    Black vs. Hispanic |          2        3.51       29.82
                   Dutch vs. Marroccan |          3        5.26       35.09
                  Dutch vs. Surinamese |          3        5.26       40.35
                             Ethnicity |          6       10.53       50.88
      First generation immigrant status |          1        1.75       52.63
                    Hispanic ethnicity |          3        5.26       57.89
  Latino-American vs. European-American |          3        5.26       63.16
                    Minority ethnicity |          2        3.51       66.67
                       Native American |          2        3.51       70.18
                       Other ethnicity |          6       10.53       80.70
                        White vs. Black |          9       15.79       96.49
                     White vs. Hispanic |          2        3.51      100.00
-------------------------------------+-----------------------------------
                                 Total |         57      100.00

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-> exp_cat = prior criminality

exposure_code	Freq.	Percent	Cum.
>5 prior convictions (vs. <5 prior co..	2	1.96	1.96
Diversity criminal history	4	3.92	5.88
No. days of last prison term	5	4.90	10.78
Number of prior arrests	10	9.80	20.59
Number of prior sexual assaults	5	4.90	25.49
Number of prior violent arrests	3	2.94	28.43
Number of prison terms	7	6.86	35.29
Prior convictions	16	15.69	50.98
Prior nonsexual violent offenses	3	2.94	53.92
Prior property conviction	10	9.80	63.73
Prior sex offences	7	6.86	70.59
Prior substance related conviction	7	6.86	77.45
Prior violent conviction	18	17.65	95.10
Unofficial delinquency	5	4.90	100.00
Total	102	100.00	

-> exp_cat = emotional problems

exposure_code	Freq.	Percent	Cum.
Emotional problems	6	46.15	46.15
Emotional problems + conduct problems	7	53.85	100.00
Total	13	100.00	

-> exp_cat = psychotic symptoms

exposure_code	Freq.	Percent	Cum.
Delusions	2	11.76	11.76
Delusions at admission	1	5.88	17.65
Hallucinations	4	23.53	41.18
Hallucinations at admission	1	5.88	47.06
Nonparanoid delusions	2	11.76	58.82
Paranoid delusions	3	17.65	76.47
Psychotic-like symptoms	2	11.76	88.24
Threat/control override delusions	2	11.76	100.00
Total	17	100.00	

-> exp_cat = drugs/alcohol

exposure_code	Freq.	Percent	Cum.
Alcohol use	29	14.15	14.15
Alcohol+drug use disorder	3	1.46	15.61
Amphetamine use	1	0.49	16.10
Binge drinking	5	2.44	18.54
Cannabis use	21	10.24	28.78
Cocaine use	8	3.90	32.68
Drug use	21	10.24	42.93
Hallucinogenic drug use	3	1.46	44.39
Heroine use	2	0.98	45.37
Number of substance use disorders	3	1.46	46.83
Opiates use	12	5.85	52.68
Polysubstance use	4	1.95	54.63
Sedatives use	7	3.41	58.05
Stimulants use	7	3.41	61.46
Substance abuse disorder at admission	2	0.98	62.44
Substance use disorder	1	0.49	62.93
Using inhalants	5	2.44	65.37
Using methadon	68	33.17	98.54
Using narcotics	3	1.46	100.00
Total	205	100.00	

-> exp_cat = poor treatment engagement

exposure_code	Freq.	Percent	Cum.
Community program attrition	1	6.67	6.67
Poor progress in treatment	1	6.67	13.33
Sex offender treatment attrition	2	13.33	26.67
Treatment attrition	9	60.00	86.67
Treatment participation	2	13.33	100.00
Total	15	100.00	

-> exp_cat = sex

exposure_code	Freq.	Percent	Cum.
Female gender	23	52.27	52.27
Male gender	21	47.73	100.00
Total	44	100.00	

-> exp_cat = age

exposure_code	Freq.	Percent	Cum.
Age	23	34.33	34.33
Age 18 to 24	1	1.49	35.82
Age 18 – 35	1	1.49	37.31
Age 25-34	1	1.49	38.81
Age 35-44	1	1.49	40.30
Age 36 – 52	1	1.49	41.79
Age 45+	1	1.49	43.28
Age 53 – 80	1	1.49	44.78
Age <32 yrs	4	5.97	50.75
Age at admission	4	5.97	56.72
Age at first contact with psychiatric..	2	2.99	59.70
Age at release	5	7.46	67.16
Age first conviction	22	32.84	100.00
Total	67	100.00	

-> exp_cat = personality

exposure_code	Freq.	Percent	Cum.
Antisocial personality disorder	29	36.25	36.25
Borderline PD	8	10.00	46.25
Cluster A personality disorder	8	10.00	56.25
Cluster B personality disorder	7	8.75	65.00
Cluster C personality disorder	1	1.25	66.25
Dangerous and severe personality diso..	7	8.75	75.00
No personality disorder	4	5.00	80.00
Personality disorder	8	10.00	90.00
Personality disorder + Substance abuse	1	1.25	91.25
Schizoid PD	7	8.75	100.00
Total	80	100.00	

-> exp_cat = time

exposure_code	Freq.	Percent	Cum.
Time	4	100.00	100.00
Total	4	100.00	

-> exp_cat = anxiety

exposure_code	Freq.	Percent	Cum.
Anxiety	1	2.94	2.94
Anxiety disorder	17	50.00	52.94
Anxiety disorder + substance abuse di..	5	14.71	67.65
Generalized anxiety disorder	1	2.94	70.59
Seperation anxiety disorder	4	11.76	82.35
Trait anxiety (personality trait)	6	17.65	100.00
Total	34	100.00	

-> exp_cat = psychopathy traits

exposure_code	Freq.	Percent	Cum.
APSD Callousness	2	0.78	0.78
APSD Impulsivity	2	0.78	1.56
APSD Narcissism	2	0.78	2.33
Anti-establishment	1	0.39	2.72
Anti-police	1	0.39	3.11
Antisocial Process Screening device (..	5	1.95	5.06
Antisocial orientation	1	0.39	5.45
Clinical presentation (denial, minimi..	60	22.96	28.79
Fearlessness (personality trait)	1	0.39	29.18
Lack of empathy	1	0.39	29.57

PAI ANT antisocial	1	0.39	29.96
PAI ANT egocentric	1	0.39	30.35
PAI ANT sensation seeking	1	0.39	30.74
PCL-R factor 1	25	9.73	40.47
PCL-R factor 2	27	10.51	50.97
PCL-R total score	58	22.57	73.54
PCL-R: facet 1	3	1.17	74.71
PCL-R: facet 2	3	1.17	75.88
PCL-R: facet 3	3	1.17	77.04
PCL-R: facet 4	3	1.17	78.21
PCL-SV (screening version)	2	0.78	78.99
PCL-SV Interpersonal	2	0.78	79.77
PCL-SV Social deviance	4	1.56	81.32
PCL-YV factor 1 (interpersonal)	6	2.33	83.66
PCL-YV factor 2 (affective)	5	1.95	85.60
PCL-YV factor 3 (behavior)	6	2.33	87.94
PCL-YV factor 4 (antisocial)	7	2.72	90.66
PCL-YV total score	14	5.45	96.11
Personality assessment inventory: ant..	1	0.39	96.50
SRP-II factor 1	2	0.78	97.28
SRP-II factor 2	2	0.78	98.05
Self-reported Psychopathy Scale-II (S..	4	1.56	99.61
Sexual attitudes: tolerance of sexual..	1	0.39	100.00
Total	257	100.00	

-> exp_cat = SES

exposure_code	Freq.	Percent	Cum.
Low socioeconimic status	10	40.00	40.00
Socioeconomic status	12	48.00	88.00
Welfare	3	12.00	100.00
Total	25	100.00	

-> exp_cat = SMI(+drugs)

exposure_code	Freq.	Percent	Cum.
Severe mental illness + drug abuse	1	8.33	8.33
Severe mental illness + drug abuse + ..	1	8.33	16.67
Severe mental illness + substance abuse	5	41.67	58.33
Severe mental ilness	5	41.67	100.00
Total	12	100.00	

-> exp_cat = HCR20

exposure_code	Freq.	Percent	Cum.
HCR-20 historical items	5	35.71	35.71
HCR-20 total score	9	64.29	100.00
Total	14	100.00	

-> exp_cat = VRAG

exposure_code	Freq.	Percent	Cum.
Violence Risk Scale static factors	2	20.00	20.00
Violence Risk Scale total score	4	40.00	60.00
Violence Risk appraisal Guide (VRAG) ..	4	40.00	100.00
Total	10	100.00	

-> exp_cat = anger

exposure_code	Freq.	Percent	Cum.
Novaco Anger Scale Arousal factors	2	15.38	15.38
Novaco Anger Scale Behavioral factors	2	15.38	30.77
Novaco Anger Scale Cognitive factors	2	15.38	46.15
Novaco Anger Scale Regulation factors	2	15.38	61.54
Novaco Anger Scale total score	4	30.77	92.31
Responding with anger	1	7.69	100.00
Total	13	100.00	

-> exp_cat = impulsiveness

exposure_code	Freq.	Percent	Cum.
Barrett Impulsiveness Scale Cognitive..	2	15.38	15.38
Barrett Impulsiveness Scale Motor fac..	2	15.38	30.77
Barrett Impulsiveness Scale Nonplanni..	2	15.38	46.15
Barrett Impulsiveness Scale total score	4	30.77	76.92
Impulsive	3	23.08	100.00
Total	13	100.00	

-> exp_cat = PANSS psychopathology

exposure_code	Freq.	Percent	Cum.
PANNS Aggressive	3	25.00	25.00
PANNS General	2	16.67	41.67
PANNS Negative	3	25.00	66.67
PANSS (Positive and negative syndrome..	2	16.67	83.33
PANSS Positive	2	16.67	100.00
Total	12	100.00	

-> exp_cat = MAST/DAST

exposure_code	Freq.	Percent	Cum.
DAST (Drug abuse screening test)	3	75.00	75.00
MAST (Michinigan Alcohol Screening Te..	1	25.00	100.00
Total	4	100.00	

-> exp_cat = non-schizophrenia

exposure_code	Freq.	Percent	Cum.
Any psychiatric diagnosis	1	3.23	3.23
Any psychiatric diagnosis + substance..	4	12.90	16.13
Diagnosis other than schizophrenia	4	12.90	29.03
Diagnosis other than schizophrenia + ..	1	3.23	32.26
Diagnosis other than schizophrenia + ..	1	3.23	35.48
Diagnosis other than schizophrenia + ..	3	9.68	45.16
History of psychiatric treatment	1	3.23	48.39
Obsessive compulsive problems	1	3.23	51.61
Post-traumatic stress	1	3.23	54.84
Psychosomatic complaints	14	45.16	100.00
Total	31	100.00	

-> exp_cat = schizophrenia-spectrum

exposure_code	Freq.	Percent	Cum.
Duration of untreated psychosis	1	2.00	2.00
Negative symptoms (schizophrenia)	14	28.00	30.00
Positive symptoms (schizophrenia)	1	2.00	32.00
Psychosis at admission	1	2.00	34.00
Schizophrenia	12	24.00	58.00
Schizophrenia (compared to general po..	9	18.00	76.00
Schizophrenia (compared to unaffected..	6	12.00	88.00
Schizophrenia with comorbid substance..	3	6.00	94.00
Schizophrenia with comorbid substance..	1	2.00	96.00
Schizophrenia without comorbid substa..	1	2.00	98.00
Schizophrenia without comorbid substa..	1	2.00	100.00
Total	50	100.00	

-> exp_cat = depression

exposure_code	Freq.	Percent	Cum.
Adjustment disorder	23	41.82	41.82
Affective disorder	4	7.27	49.09
Childhood depressive complaints	5	9.09	58.18
Depression	10	18.18	76.36
Depression + antipsychotic (vs. No an..	1	1.82	78.18
Depression + anxiety	4	7.27	85.45
Depression + substance abuse	5	9.09	94.55
Depressive disorder	1	1.82	96.36
Dysthymia	1	1.82	98.18
depression + Mood stabiliser (vs. No ..	1	1.82	100.00

exposure_code	Freq.	Percent	Cum.
Total	55	100.00	

-> exp_cat = bipolar

exposure_code	Freq.	Percent	Cum.
Bipolar disorder	3	50.00	50.00
Bipolar disorder + Mood stabiliser (v..	1	16.67	66.67
Bipolar disorder + antipsychotic (vs...	1	16.67	83.33
Manic episodes (compared with depress..	1	16.67	100.00
Total	6	100.00	

-> exp_cat = urban/rural

exposure_code	Freq.	Percent	Cum.
Rural	3	37.50	37.50
Urban	5	62.50	100.00
Total	8	100.00	

-> exp_cat = CA

exposure_code	Freq.	Percent	Cum.
Adverse childhood environment:	4	4.65	4.65
Any institutional placement	2	2.33	6.98
Childhood neglect	12	13.95	20.93
Childhood physical abuse	11	12.79	33.72
Childhood physical abuse and neglect	4	4.65	38.37
Emotional abuse childhood	2	2.33	40.70
History of sexual abuse	8	9.30	50.00
Seperation from parent	12	13.95	63.95
Trauma	3	3.49	67.44
Victim of bullying	10	11.63	79.07
Victim of bullying frequently	9	10.47	89.53
Victim of bullying sometimes	9	10.47	100.00
Total	86	100.00	

-> exp_cat = IQ-related

exposure_code	Freq.	Percent	Cum.
Cognitive problems	1	5.88	5.88
IQ	4	23.53	29.41
Intellectual and social skills	2	11.76	41.18
Learning disorder	4	23.53	64.71
Low IQ	3	17.65	82.35
Low nonverbal IQ	1	5.88	88.24
Neuropsychological measures	1	5.88	94.12
Poor concentration	1	5.88	100.00
Total	17	100.00	

-> exp_cat = life history agression

exposure_code	Freq.	Percent	Cum.
Life history of Aggression (LHA)	3	100.00	100.00
Total	3	100.00	

-> exp_cat = parental (mental) factors

exposure_code	Freq.	Percent	Cum.
Both parents mentally disorderd	6	6.32	6.32
Both parents mentally disorderd, no p..	2	2.11	8.42
Both parents mentally disorderd, one ..	2	2.11	10.53
Convictions father	1	1.05	11.58
Convictions mother	3	3.16	14.74
Criminal parents	7	7.37	22.11
Family factors	1	1.05	23.16
Family problems	3	3.16	26.32
Father mentally disordered	6	6.32	32.63
Father's low education	1	1.05	33.68
Household history of antisocial behav..	3	3.16	36.84
Large family size	4	4.21	41.05

Maternal depression	1	1.05	42.11
Mother mentally disordered	6	6.32	48.42
Mother teenage birth	3	3.16	51.58
Mother's years of education	4	4.21	55.79
Mothers' acculturation	1	1.05	56.84
Parent single (up to 14 yrs age of pa..	1	1.05	57.89
Parent single at birth (married befor..	3	3.16	61.05
Parent single by death (before age 14)	1	1.05	62.11
Parent single by divorce (before age ..	1	1.05	63.16
Parent's low education	7	7.37	70.53
Parental affective disorder	2	2.11	72.63
Parental anxiety / somatoform disorder	2	2.11	74.74
Parental bipolar disorder	2	2.11	76.84
Parental personality disorder	2	2.11	78.95
Parental schizophrenia spectrum disor..	2	2.11	81.05
Parental substance use disorder	5	5.26	86.32
Primary relative with criminality	1	1.05	87.37
Primary relative with depression	3	3.16	90.53
Primary relative with substance abuse	7	7.37	97.89
Unemplouyed father	1	1.05	98.95
Unstable circumstances	1	1.05	100.00
Total	95	100.00	

-> exp_cat = employment

exposure_code	Freq.	Percent	Cum.
Employment	3	23.08	23.08
Employment instability	3	23.08	46.15
Median annual income	3	23.08	69.23
Unemployed	4	30.77	100.00
Total	13	100.00	

-> exp_cat = marital status

exposure_code	Freq.	Percent	Cum.
Marital status	4	13.33	13.33
Married	14	46.67	60.00
Never married	2	6.67	66.67
Seperated/divorced	5	16.67	83.33
Single (vs. Married)	5	16.67	100.00
Total	30	100.00	

-> exp_cat = educational adversity

exposure_code	Freq.	Percent	Cum.
Education	1	2.70	2.70
Education: high	2	5.41	8.11
Education: low	2	5.41	13.51
Education: moderate	5	13.51	27.03
Fail grade school	1	2.70	29.73
High school dropout	3	8.11	37.84
Low grades school	13	35.14	72.97
Low school aspirations	2	5.41	78.38
Low school connectedness	4	10.81	89.19
Non-completion of compulsory school	1	2.70	91.89
Special education	3	8.11	100.00
Total	37	100.00	

-> exp_cat = clouded consciousness

exposure_code	Freq.	Percent	Cum.
Clouded consciousness	1	100.00	100.00
Total	1	100.00	

-> exp_cat = apathy

exposure_code	Freq.	Percent	Cum.
Apathy	1	100.00	100.00
Total	1	100.00	

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-> exp_cat = catatonic stuporous

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                   Catatonic stuporous |          1      100.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = hostility

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                             Hostility |          4       44.44       44.44
           Mild Hostility  at admission |          1       11.11       55.56
           Mild hostility  at discharge |          1       11.11       66.67
         Severe Hostility  at admission |          1       11.11       77.78
         severe Hostility  at discharge |          2       22.22      100.00
---------------------------------------+-----------------------------------
                                 Total |          9      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = poor social skills

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
Poor relation with staff during admis.. |          1       20.00       20.00
                    Poor social skills |          1       20.00       40.00
                       Social problems |          3       60.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          5      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = lack of insight

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                       Lack of insight |          4      100.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          4      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = DSH/suicidality

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                             Self harm |          3       60.00       60.00
                 Suicidal at admission |          1       20.00       80.00
                       Suicide attempt |          1       20.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          5      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = paedophilia

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                        Pedohile Index |          2       12.50       12.50
               Pedophile Assault Index |          2       12.50       25.00
Pedophilia (according to DSM + devian.. |          3       18.75       43.75
Pedophilia (according to DSM diagnosi.. |          3       18.75       62.50
Pedophilia (according to Screening Sc.. |          3       18.75       81.25
Pedophilia (according to deviant phal.. |          3       18.75      100.00
---------------------------------------+-----------------------------------
                                 Total |         16      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = sexual deviance

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
 Deviant sexual arrousal (phallometric) |          2       11.11       11.11
                       Sexual deviancy |         13       72.22       83.33
                         Sexual sadism |          3       16.67      100.00
---------------------------------------+-----------------------------------
                                 Total |         18      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = victim characteristics

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                          Child victim |          7       24.14       24.14
                         Family victim |          6       20.69       44.83
                           Male victim |          3       10.34       55.17
                      Multiple victims |          3       10.34       65.52
                       Same sex victim |          3       10.34       75.86
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                         Unknown victim |          7       24.14      100.00
----------------------------------------+-----------------------------------
                                  Total |         29      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = group offender

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                         Group offender |          3      100.00      100.00
----------------------------------------+-----------------------------------
                                  Total |          3      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = J-SOAP

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
J-SOAP-II community stability/adjustm.. |          6       14.63       14.63
       J-SOAP-II dynamic summary score  |          5       12.20       26.83
J-SOAP-II impulsive/antisocial behavi.. |          7       17.07       43.90
       J-SOAP-II intervention (scale 3) |          5       12.20       56.10
J-SOAP-II sexual drive/preoccupation .. |          4        9.76       65.85
         J-SOAP-II static summary score |          6       14.63       80.49
Juvenile Sexual Offender Assessment P.. |          8       19.51      100.00
----------------------------------------+-----------------------------------
                                  Total |         41      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = sexual offence severity

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
               Child molest total scale |          9       81.82       81.82
                       Rape total scale |          1        9.09       90.91
Sexual Offence Severity Scale (SOS sc.. |          1        9.09      100.00
----------------------------------------+-----------------------------------
                                  Total |         11      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = delinquent peers

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                       Delinquent peers |          7       87.50       87.50
                          Peer pressure |          1       12.50      100.00
----------------------------------------+-----------------------------------
                                  Total |          8      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = sexual vs general

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
specialists (only committed sexual of.. |          4      100.00      100.00
----------------------------------------+-----------------------------------
                                  Total |          4      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = poor self-regulation

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                         Poor self-care |          1      100.00      100.00
----------------------------------------+-----------------------------------
                                  Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = violence in SO

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
        Force/violence in sex offending |          1       33.33       33.33
       Sexual Violence Risk–20 (SVR-20) |          2       66.67      100.00
----------------------------------------+-----------------------------------
                                  Total |          3      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = paraphilia

                          exposure_code |      Freq.     Percent        Cum.
----------------------------------------+-----------------------------------
                             Paraphilia |          3      100.00      100.00
----------------------------------------+-----------------------------------
                                  Total |          3      100.00

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-> exp_cat = STATIC-99

exposure_code	Freq.	Percent	Cum.
Static-99 score	3	100.00	100.00
Total	3	100.00	

-> exp_cat = neurology/THI/Epilepsy

exposure_code	Freq.	Percent	Cum.
Any endocrine abnormality	8	61.54	61.54
Any neurological disorder	1	7.69	69.23
Epilepsy	1	7.69	76.92
Ever rendered unconscious	1	7.69	84.62
Traumatic head injury	2	15.38	100.00
Total	13	100.00	

-> exp_cat = observed agression

exposure_code	Freq.	Percent	Cum.
Aggressive behavior	7	77.78	77.78
Violence to others during admission	2	22.22	100.00
Total	9	100.00	

-> exp_cat = self-criticism

exposure_code	Freq.	Percent	Cum.
Self-criticism	3	100.00	100.00
Total	3	100.00	

-> exp_cat = sexual victimization

exposure_code	Freq.	Percent	Cum.
Sexual victimization (online) frequen..	1	50.00	50.00
Sexual victimization (online) sometimes	1	50.00	100.00
Total	2	100.00	

-> exp_cat = exposure X-rated

exposure_code	Freq.	Percent	Cum.
Exposure to X-rated material	1	33.33	33.33
Exposure to nonviolent X-rated material	1	33.33	66.67
Exposure to violent x-rated material	1	33.33	100.00
Total	3	100.00	

-> exp_cat = fire interest

exposure_code	Freq.	Percent	Cum.
Fire interest	1	100.00	100.00
Total	1	100.00	

-> exp_cat = high risk admission/discharge

exposure_code	Freq.	Percent	Cum.
Medium/high assessment risk at discha..	1	50.00	50.00
Medium/high risk assessment at admiss..	1	50.00	100.00
Total	2	100.00	

-> exp_cat = agitated at admission

exposure_code	Freq.	Percent	Cum.
Agitated at admission	1	100.00	100.00

```
                               Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = abnormal speech

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
                     Abnormal speech |          1      100.00      100.00
-------------------------------------+-----------------------------------
                               Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = abnormal mood admission

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
            Abnormal mood at admission |          1      100.00      100.00
-------------------------------------+-----------------------------------
                               Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = insomnia

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
                            Insomnia |          1      100.00      100.00
-------------------------------------+-----------------------------------
                               Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = homeless/poor housing

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
                            Homeless |          2       66.67       66.67
                        Poor housing |          1       33.33      100.00
-------------------------------------+-----------------------------------
                               Total |          3      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = lack supportive carer

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
             Lack of supportive carer |          1      100.00      100.00
-------------------------------------+-----------------------------------
                               Total |          1      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = family/friends support

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
               Family social support |          7       63.64       63.64
                       Friend caring |          2       18.18       81.82
                     Friend contacts |          2       18.18      100.00
-------------------------------------+-----------------------------------
                               Total |         11      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = parenting skills

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
             Authoritarian parenting |          2       25.00       25.00
             Lack of parenting skill |          2       25.00       50.00
Parenting practice: Physical punishment |          1       12.50       62.50
Parenting practice: mothers'  monitor.. |          1       12.50       75.00
Parenting practice: parent-youth atta.. |          1       12.50       87.50
Parenting practice: parent-youth conf.. |          1       12.50      100.00
-------------------------------------+-----------------------------------
                               Total |          8      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = gambling

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
                            Gambling |          2      100.00      100.00
-------------------------------------+-----------------------------------
                               Total |          2      100.00

-----------------------------------------------------------------------------------------------
-> exp_cat = maternal prenatal smoking

                       exposure_code |      Freq.     Percent        Cum.
-------------------------------------+-----------------------------------
```

Maternal prenatal smoking	4	100.00	100.00
Total	4	100.00	

-> exp_cat = low emotional distress

exposure_code	Freq.	Percent	Cum.
Low emotional distress	2	100.00	100.00
Total	2	100.00	

-> exp_cat = prosocial/religious

exposure_code	Freq.	Percent	Cum.
Prosocial behavior	3	75.00	75.00
Religious attendance	1	25.00	100.00
Total	4	100.00	

-> exp_cat = birth(weight)complications

exposure_code	Freq.	Percent	Cum.
Birth complications	2	33.33	33.33
Congenital abnormality	2	33.33	66.67
Low birthweight	2	33.33	100.00
Total	6	100.00	

-> exp_cat = low cognitive stimulation

exposure_code	Freq.	Percent	Cum.
Low cognitive stimulation	2	100.00	100.00
Total	2	100.00	

-> exp_cat = child health/behaviour problems

exposure_code	Freq.	Percent	Cum.
Childhood daring	2	15.38	15.38
Childhood nervousness	1	7.69	23.08
Childhood neuroticism	3	23.08	46.15
Difficult to discipline	1	7.69	53.85
Health problems as child	3	23.08	76.92
Troublesome	1	7.69	84.62
Truant	2	15.38	100.00
Total	13	100.00	

-> exp_cat = neurological soft signs

exposure_code	Freq.	Percent	Cum.
Neurological soft signs	1	100.00	100.00
Total	1	100.00	

-> exp_cat = symptom dynamics

exposure_code	Freq.	Percent	Cum.
Amplifying symptom patttern (Symptom ..	1	20.00	20.00
Rapid symptom oscillation (Symptom dy..	1	20.00	40.00
Severity of index symptoms (Symptom d..	1	20.00	60.00
Speed of symptom oscillation	1	20.00	80.00
Symptom amplification (Symptom dynami..	1	20.00	100.00
Total	5	100.00	

-> exp_cat = bullying

exposure_code	Freq.	Percent	Cum.
Bulllying sometimes	9	27.27	27.27
Bullying	1	3.03	30.30

```
                  Bullying frequently |          9       27.27       57.58
                 Bullying other people |         14       42.42      100.00
---------------------------------------+-----------------------------------
                                 Total |         33      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = externalizing

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                Externalizing behavior |          1      100.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          1      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = internalizing

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                Internalizing behavior |          1      100.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          1      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = use of psychiatric medication

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                     Antidepressant use |          1        2.44        2.44
       Any side effects from medication |          1        2.44        4.88
Bipolar disorder + Mood stabiliser (v.. |          1        2.44        7.32
Bipolar disorder + antipsychotic (vs... |          1        2.44        9.76
Depression + antipsychotic (vs. No an.. |          1        2.44       12.20
                   ECT during admission |          1        2.44       14.63
                    Education: moderate |          1        2.44       17.07
                Hypnotic/anxiolytic use |          1        2.44       19.51
Psychotic disorder (except schizophre.. |          1        2.44       21.95
Psychotic disorder (except schizophre.. |          1        2.44       24.39
Psychotic disorder + antipsychotic us.. |          1        2.44       26.83
Psychotic disorder + mood stabiliser .. |          1        2.44       29.27
Schizophrenia + antipsychotic use (co.. |          1        2.44       31.71
Schizophrenia + mood stabiliser (comp.. |          1        2.44       34.15
                   Using anticonvulsant |          1        2.44       36.59
         Using antiparkinson medication |          1        2.44       39.02
                  Using antipsychotics |         10       24.39       63.41
                        Using clozapine |          4        9.76       73.17
            Using depot antipsychotics |          1        2.44       75.61
Using mood stabiliser, antipsychotic .. |          2        4.88       80.49
                Using mood stabilisers |          7       17.07       97.56
depression + Mood stabiliser (vs. No .. |          1        2.44      100.00
---------------------------------------+-----------------------------------
                                 Total |         41      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = (involuntary) admission

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
               Admitted to locked ward |          1       14.29       14.29
            Admitted under legal order |          1       14.29       28.57
                    Any inpatient care |          4       57.14       85.71
                   Length of admission |          1       14.29      100.00
---------------------------------------+-----------------------------------
                                 Total |          7      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = psychoeducation

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
                  Psychiatric aftercare |          1        6.25        6.25
                        Psychoeducation |          1        6.25       12.50
                   Treatment completion |         13       81.25       93.75
                     Treatment response |          1        6.25      100.00
---------------------------------------+-----------------------------------
                                 Total |         16      100.00

-------------------------------------------------------------------------------------------------
-> exp_cat = general psychological problems

                         exposure_code |      Freq.     Percent        Cum.
---------------------------------------+-----------------------------------
         General psychological problems |          3      100.00      100.00
---------------------------------------+-----------------------------------
                                 Total |          3      100.00

-------------------------------------------------------------------------------------------------
```

-> exp_cat = quality neighbourhood/school

exposure_code	Freq.	Percent	Cum.
Neighboorhood attachment	2	33.33	33.33
Quality of neighborhood	3	50.00	83.33
Quality of school	1	16.67	100.00
Total	6	100.00	

-> exp_cat = homicidal ideas at admission

exposure_code	Freq.	Percent	Cum.
Homicidal ideas at admission	1	100.00	100.00
Total	1	100.00	

9.4 Bijlage 4: Geïdentificeerde populatiegroepen en aantallen associaties

-> pop_cat = sex offender

pop_code	Freq.	Percent	Cum.
Juvenile sex offenders outside prison	161	61.69	61.69
Sex offenders outside prison	100	38.31	100.00
Total	261	100.00	

-> pop_cat = general population

pop_code	Freq.	Percent	Cum.
General population	246	49.60	49.60
General population (females)	36	7.26	56.85
General population (males)	214	43.15	100.00
Total	496	100.00	

-> pop_cat = incarcerated juvenile offender

pop_code	Freq.	Percent	Cum.
Juvenile offenders in prison	56	36.60	36.60
Juvenile offenders in prison (males)	97	63.40	100.00
Total	153	100.00	

-> pop_cat = non-incarcerated juvenile offender

pop_code	Freq.	Percent	Cum.
Juvenile offenders outside prison	129	73.30	73.30
Juvenile offenders outside prison (Du..	8	4.55	77.84
Juvenile offenders outside prison (Ma..	8	4.55	82.39
Juvenile offenders outside prison (Su..	8	4.55	86.93
Juvenile offenders outside prison (fe..	14	7.95	94.89
Juvenile offenders outside prison (ma..	9	5.11	100.00
Total	176	100.00	

-> pop_cat = non-incarcerated offenders

pop_code	Freq.	Percent	Cum.
Female offenders outside prison	5	2.09	2.09
Male offenders outside prison	21	8.79	10.88
Offenders outside prison	213	89.12	100.00
Total	239	100.00	

-> pop_cat = psychiatric patients

pop_code	Freq.	Percent	Cum.
Adolescents in general psychiatric in..	18	3.75	3.75
Psychiatric patients in community	121	25.21	28.96
Psychiatric patients in community vs...	48	10.00	38.96
Psychiatric patients in community/inp..	221	46.04	85.00
Psychiatric patients in inpatient care	72	15.00	100.00
Total	480	100.00	

-> pop_cat = incarcerated offenders

pop_code	Freq.	Percent	Cum.
Offenders in prison	110	80.29	80.29
Offenders in prison (females)	10	7.30	87.59
Offenders in prison (males)	17	12.41	100.00
Total	137	100.00	

-> pop_cat = traumatized children vs. controls

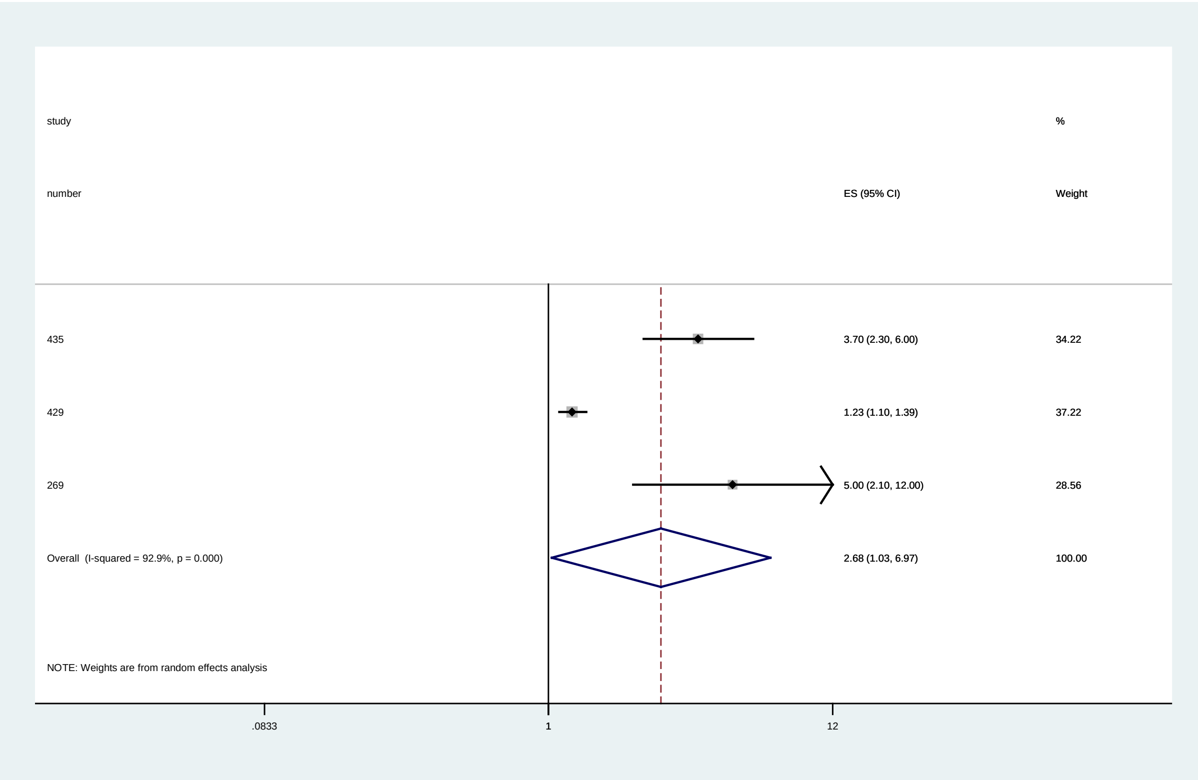
pop_code	Freq.	Percent	Cum.
General pop abused	18	100.00	100.00
Total	18	100.00	

9.5 Bijlage 5: Meta-analysen op niveau specifieke combinaties van exposure-uitkomst-populatie hoofdgroepen

9.5.1 Meta-analysis: code 10102

Exposure	Outcome	Recidivism	Population
Conduct disorder	Violent crime	Yes	General population

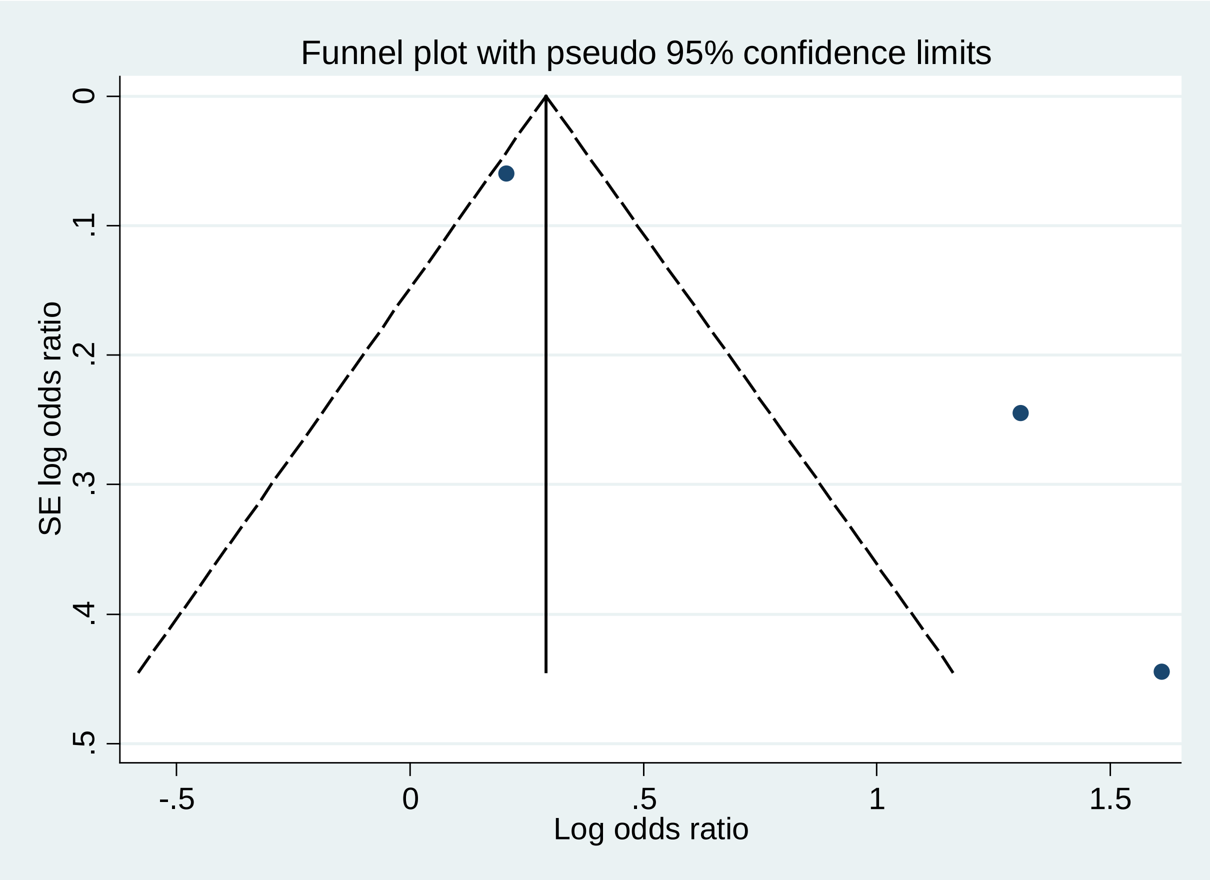
```
            Study      |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
435                  |  3.700       2.300     6.000          34.22
429                  |  1.230       1.100     1.390          37.22
269                  |  5.000       2.100    12.000          28.56
---------------------+---------------------------------------------------
D+L pooled ES        |  2.676       1.028     6.965         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   2.02 p = 0.044
```




```
Heterogeneity chi-squared =  28.07 (d.f. = 2) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  92.9%
Estimate of between-study variance Tau-squared =  0.6364

Meta-analysis of bonferroni-corrected p-values
--------------------------------------------------------------
 Method                     |   Z            p_value      studies
```

```
----------------------+---------------------------------------
 Edgington, Normal     |    2.846        .00221361    3
---------------------------------------------------------------
```



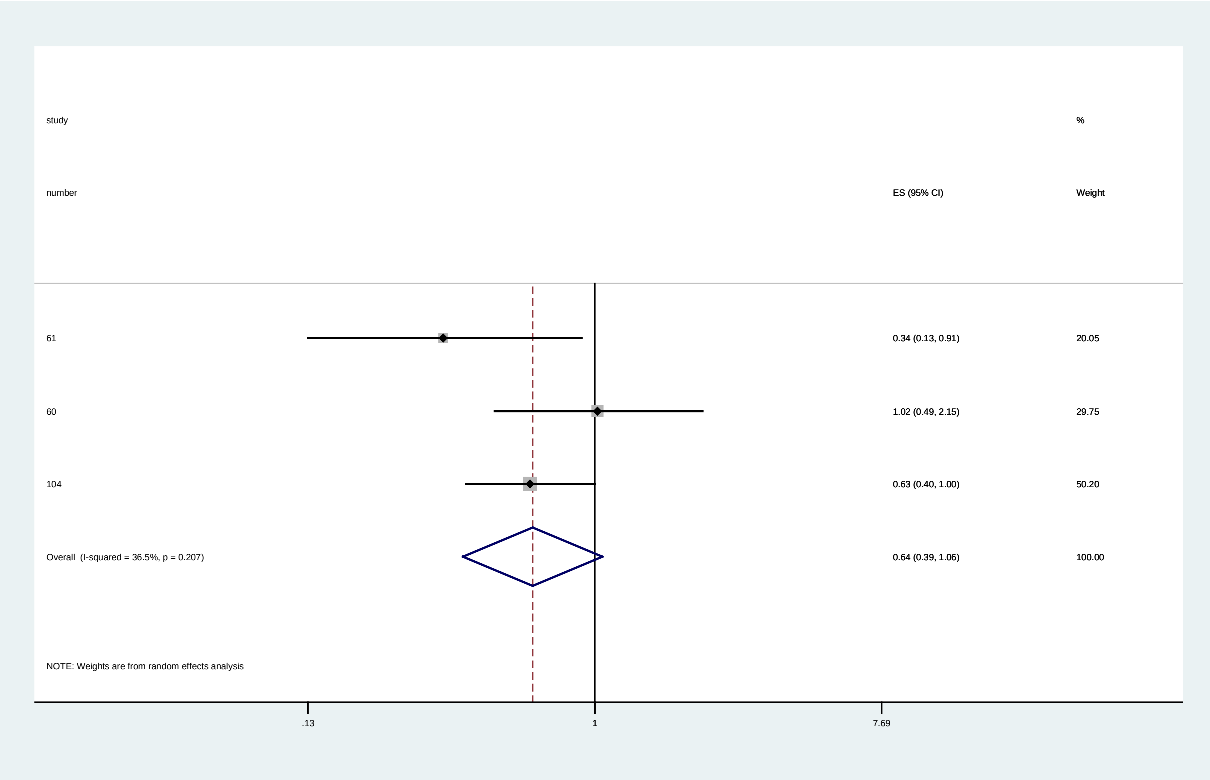

```
Test of H0: no small-study effects        P = 0.159
```

9.5.2 Meta-analysis: code 10104

Exposure	Outcome	Recidivism	Population
Conduct disorder	Violent crime	Yes	incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
61	0.340	0.130	0.910	20.05
60	1.020	0.490	2.150	29.75
104	0.630	0.400	1.000	50.20
D+L pooled ES	0.643	0.391	1.055	100.00

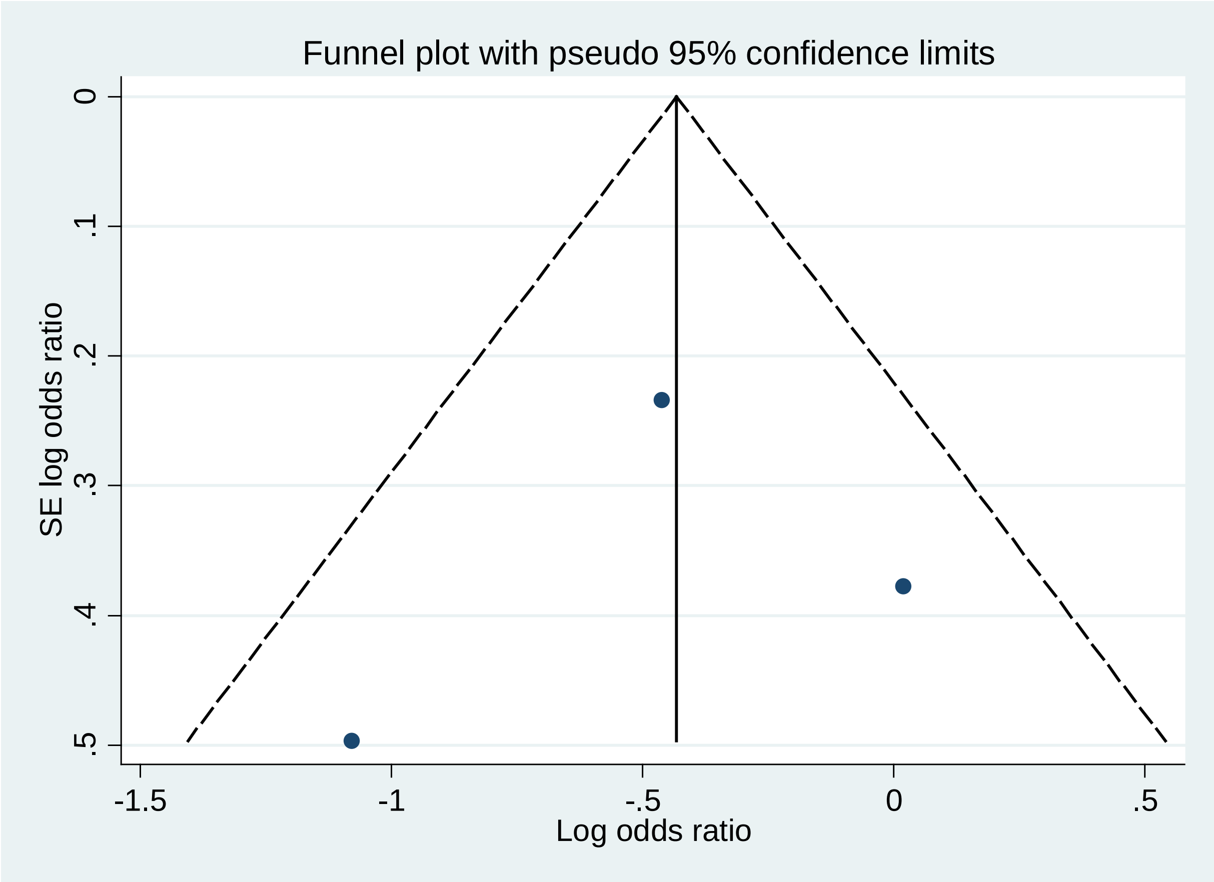
Test of ES=1 : z= 1.75 p = 0.080



Heterogeneity chi-squared = 3.15 (d.f. = 2) p = 0.207
I-squared (variation in ES attributable to heterogeneity) = 36.5%
Estimate of between-study variance Tau-squared = 0.0729

Meta-analysis of bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.784	.96278817	3



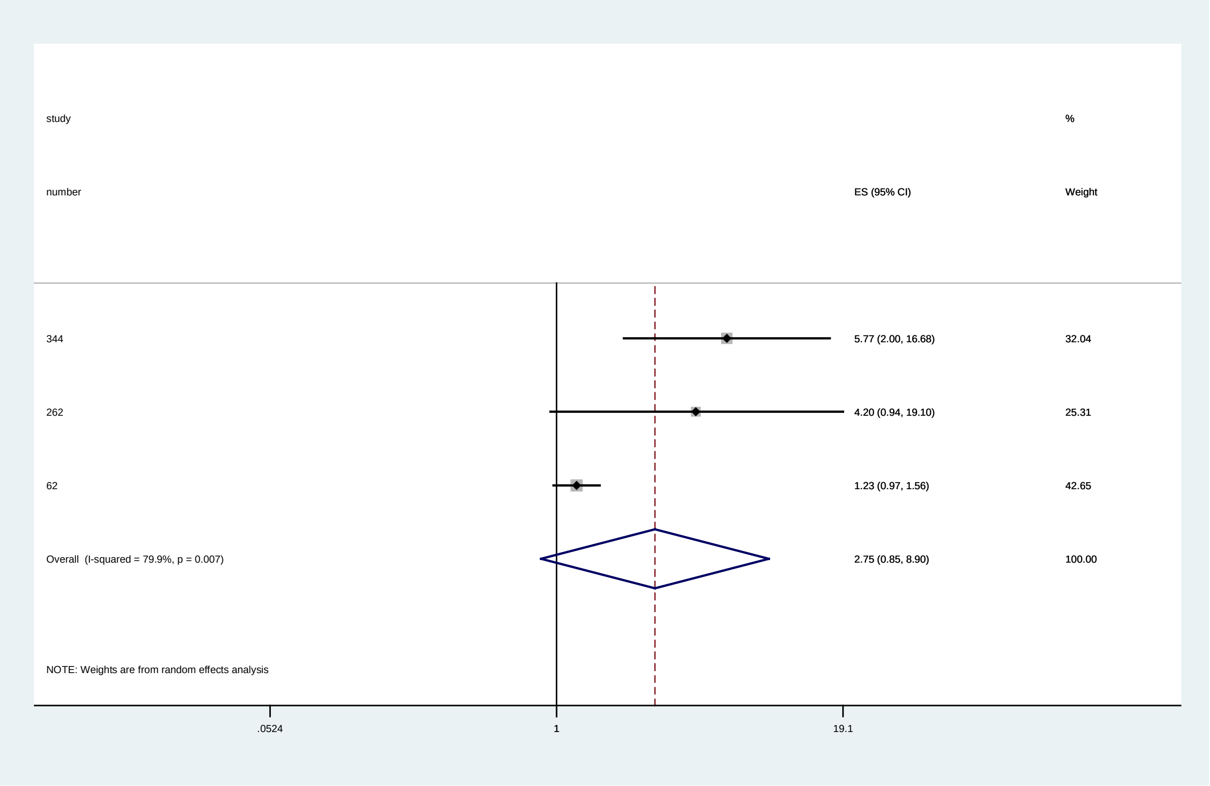
Test of H0: no small-study effects   P = 0.839

9.5.3 Meta-analysis: code 10105

Exposure	Outcome	Recidivism	Population
Conduct disorder	Violent crime	Yes	non-incarcerated juvenile offenders

Study	ES	[95% Conf. Interval]		% Weight
344	5.770	2.000	16.680	32.04
262	4.200	0.940	19.100	25.31
62	1.230	0.970	1.560	42.65
D+L pooled ES	2.754	0.852	8.901	100.00

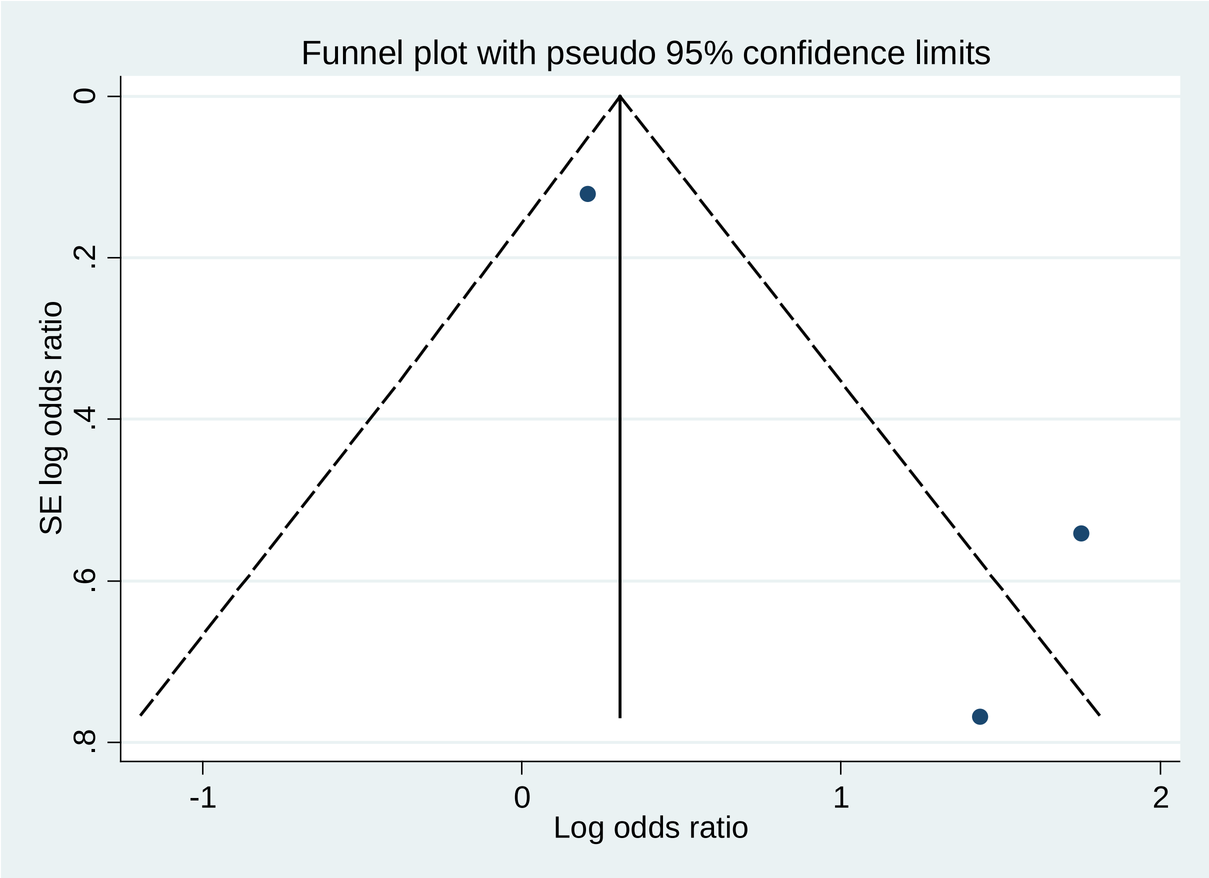
Test of ES=1 : z= 1.69 p = 0.091



Heterogeneity chi-squared = 9.97 (d.f. = 2) p = 0.007
I-squared (variation in ES attributable to heterogeneity) = 79.9%
Estimate of between-study variance Tau-squared = 0.8252

Meta-analysis of bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.6800001	.95352135	3



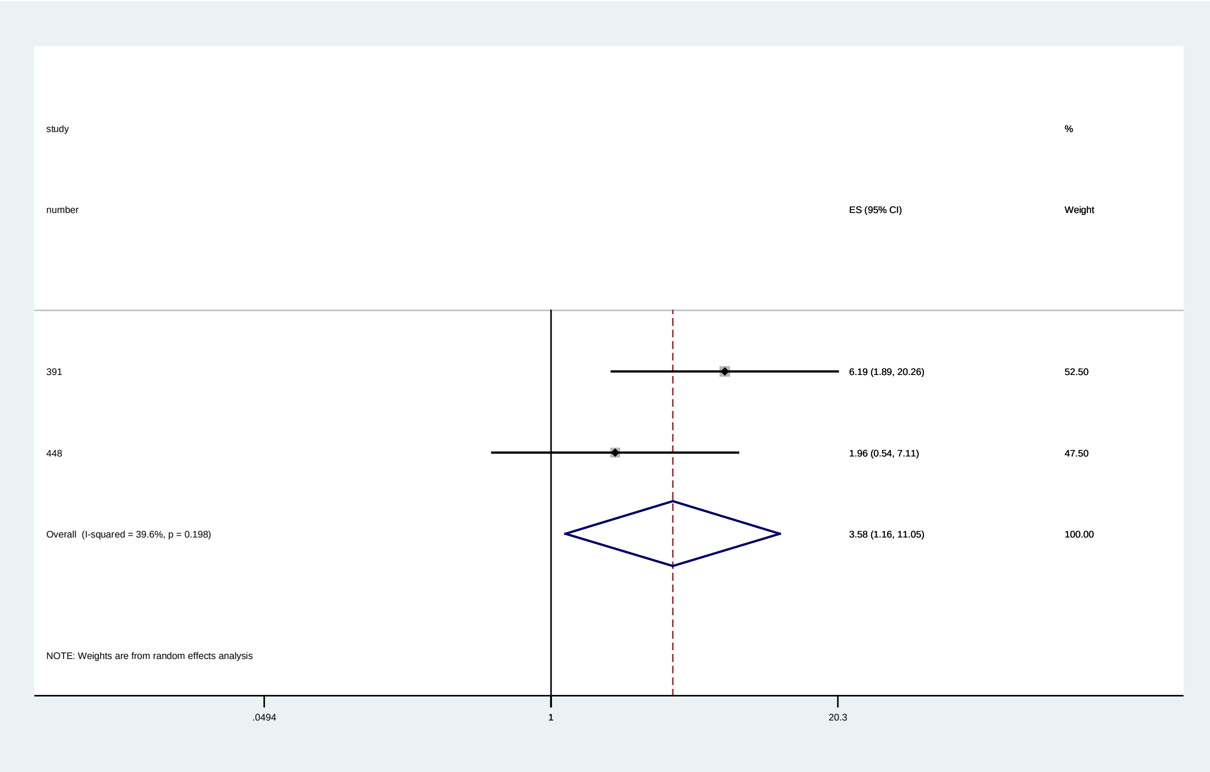
Test of H0: no small-study effects P = 0.208

9.5.4 Meta-analysis: code 10106

Exposure	Outcome	Recidivism	Population
Conduct disorder	Violent crime	Yes	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
391	6.190	1.890	20.260	52.50
448	1.960	0.540	7.110	47.50
D+L pooled ES	3.585	1.163	11.048	100.00

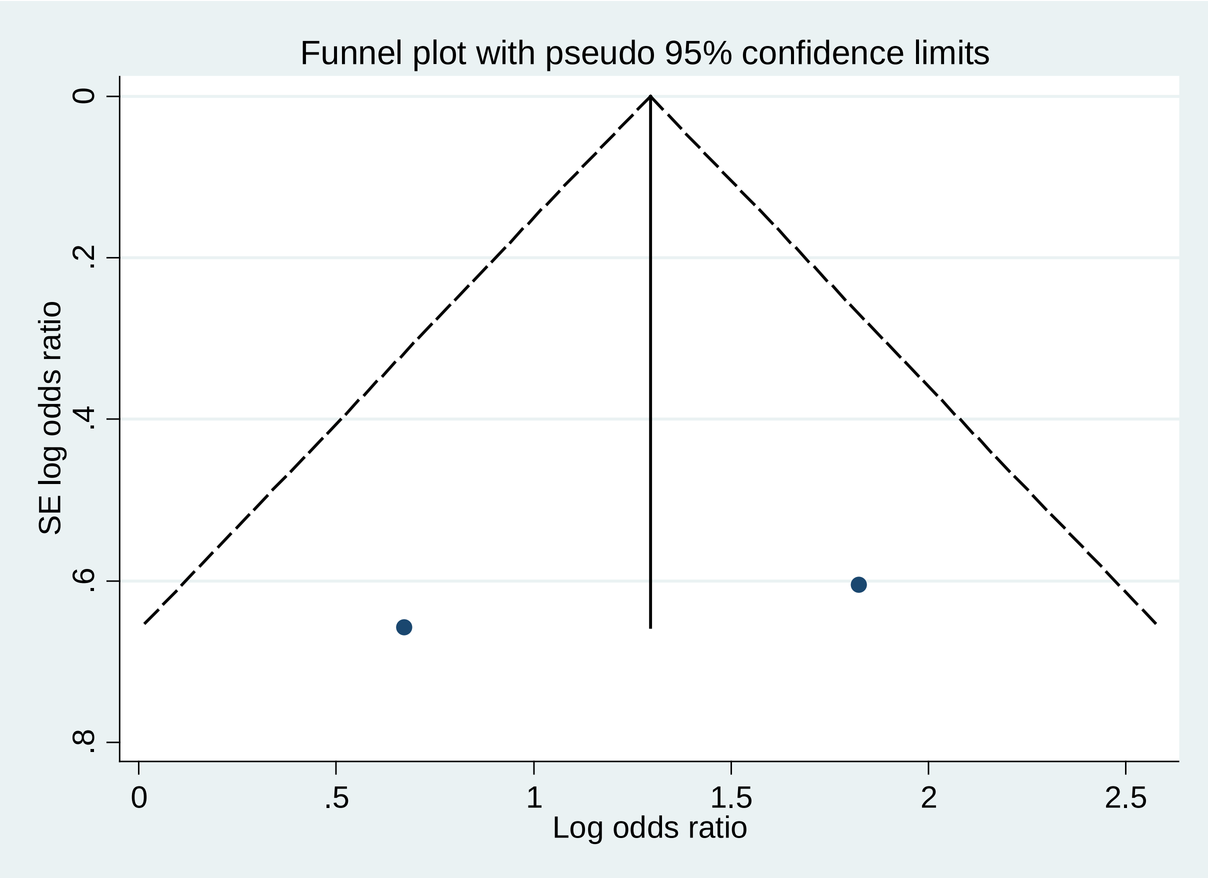
Test of ES=1 : z= 2.22 p = 0.026



Heterogeneity chi-squared = 1.66 (d.f. = 1) p = 0.198
I-squared (variation in ES attributable to heterogeneity) = 39.6%
Estimate of between-study variance Tau-squared = 0.2619

Meta-analysis of Bonferronie-corrected p values

Method	Z	p_value	studies
Edgington, Normal	-.09308063	.53708025	2



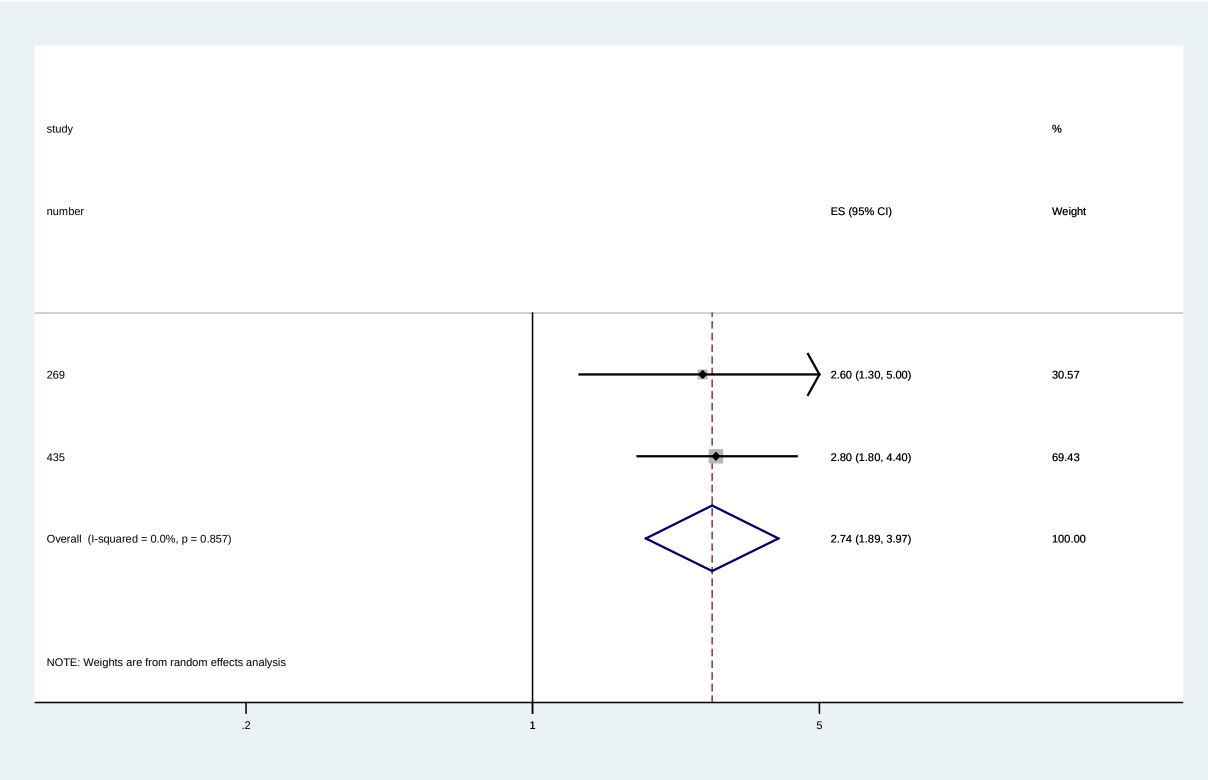
Test of H0: no small-study effects P = .

9.5.5 Meta-analysis: code 10202

Exposure	Outcome	Recidivism	Population
Conduct disorder	Property crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
269	2.600	1.300	5.000	30.57
435	2.800	1.800	4.400	69.43
D+L pooled ES	2.737	1.886	3.972	100.00

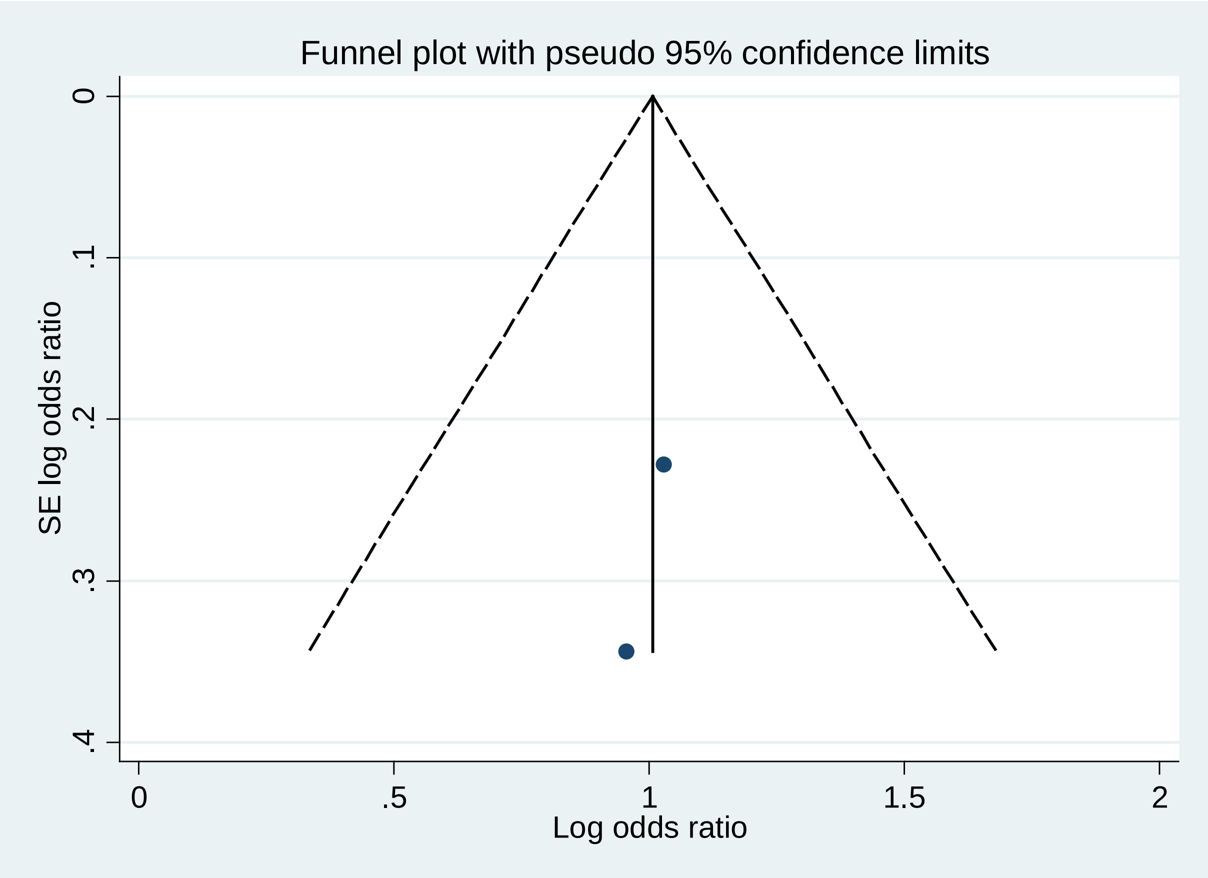
Test of ES=1 : z= 5.30 p = 0.000



Heterogeneity chi-squared = 0.03 (d.f. = 1) p = 0.857
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.3423204	.08974607	2

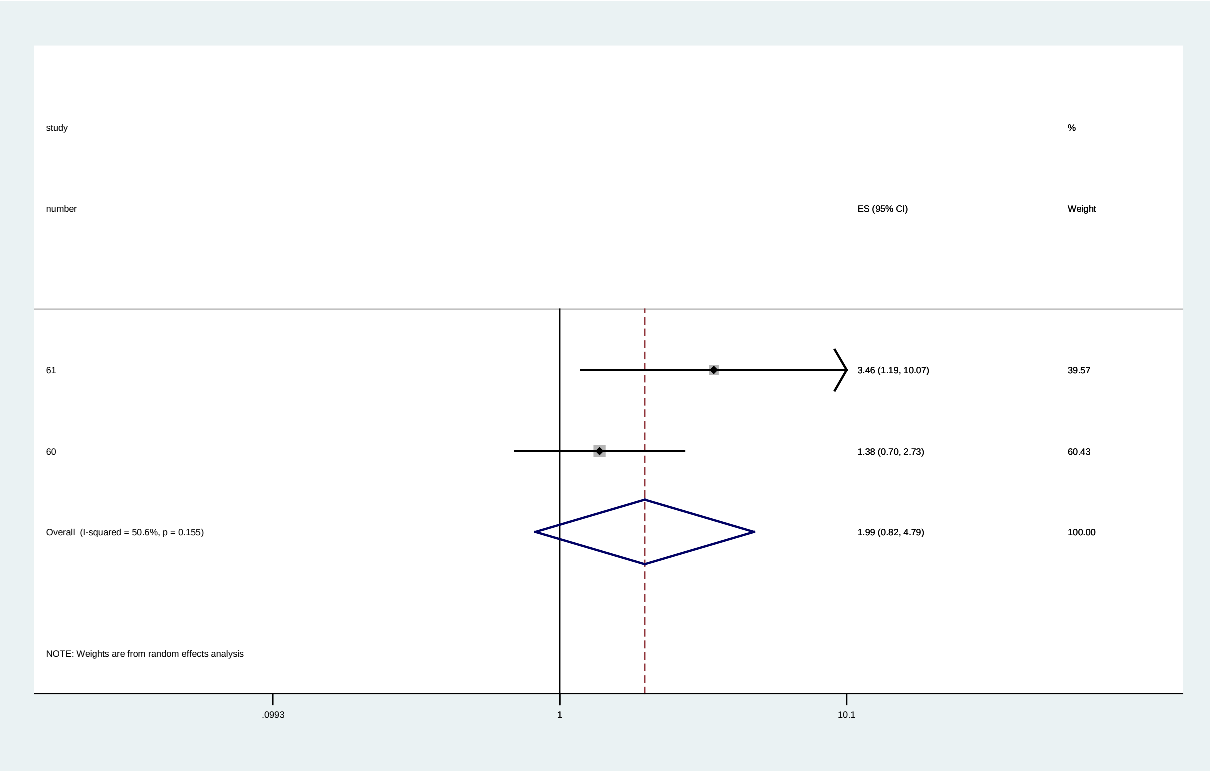


Test of H0: no small-study effects   P =   .

9.5.6 Meta-analysis: code 10204

Exposure	Outcome	Recidivism	Population
Conduct disorder	Property crime	Yes	Incarcerated juvenile offenders

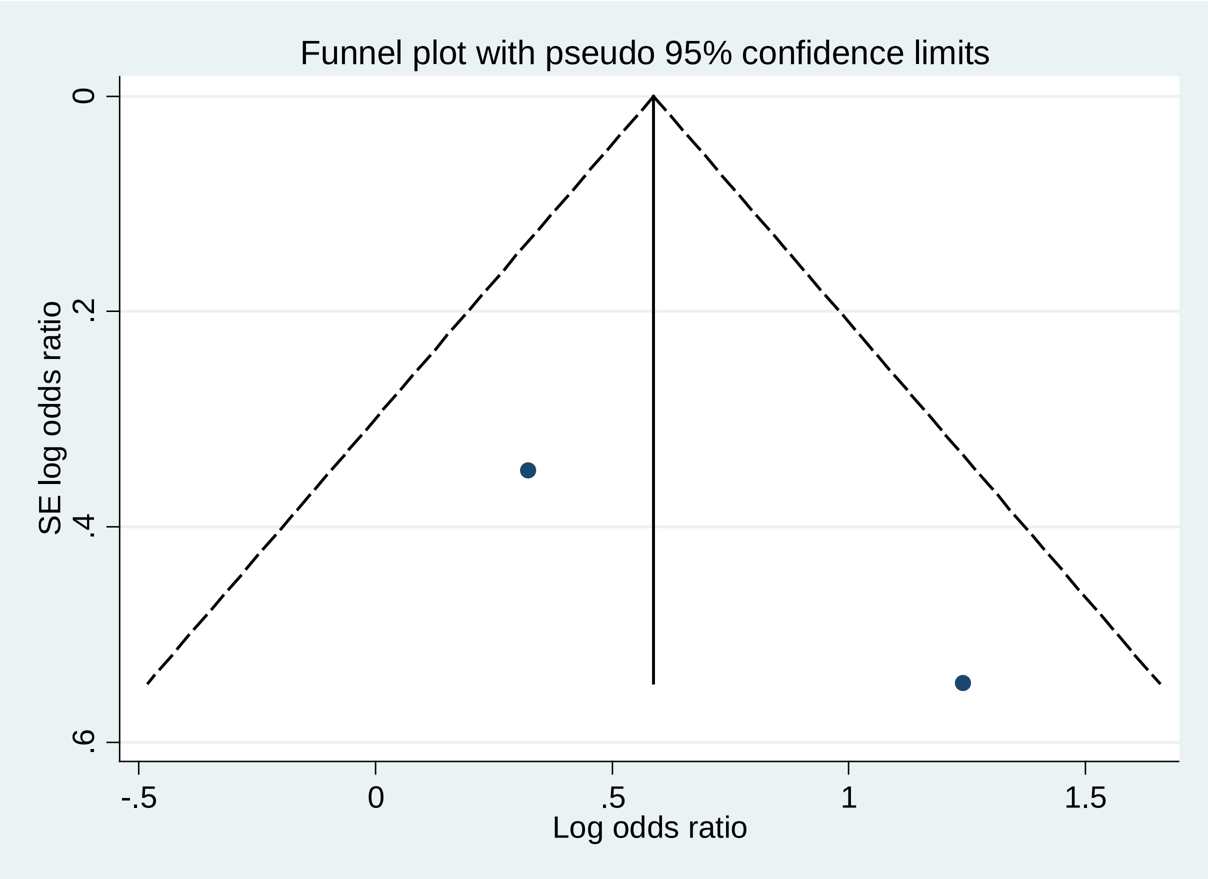
```
          Study       |      ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
61                    |  3.460       1.190    10.070         39.57
60                    |  1.380       0.700     2.730         60.43
---------------------+---------------------------------------------------
D+L pooled ES         |  1.985       0.823     4.791        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   1.53 p = 0.127
```




```
Heterogeneity chi-squared =   2.02 (d.f. = 1) p = 0.155
I-squared (variation in ES attributable to heterogeneity) =  50.6
Estimate of between-study variance Tau-squared =  0.2138

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |  Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |  -1.8077235   .96467523    2
--------------------------------------------------------------
```



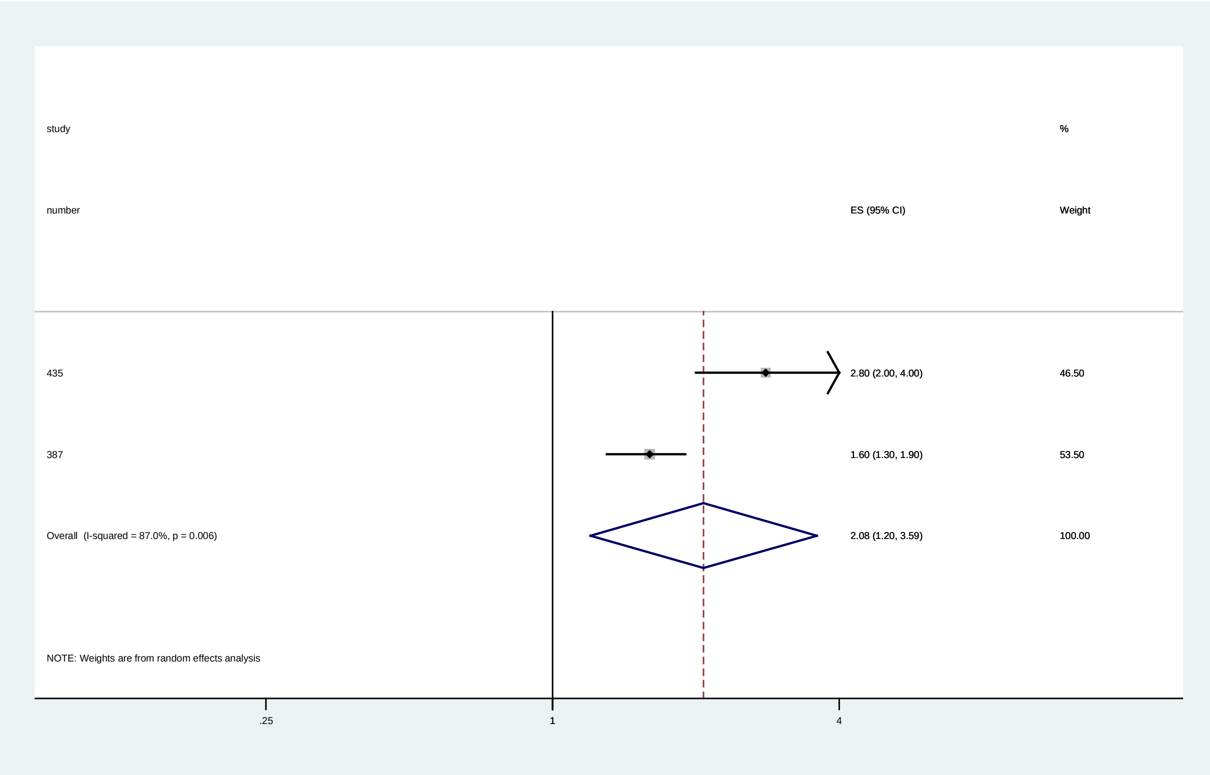
Test of H0: no small-study effects P = .

9.5.7 Meta-analysis: code 11602

Exposure	Outcome	Recidivism	Population
Conduct disorder	Criminality	No	General population

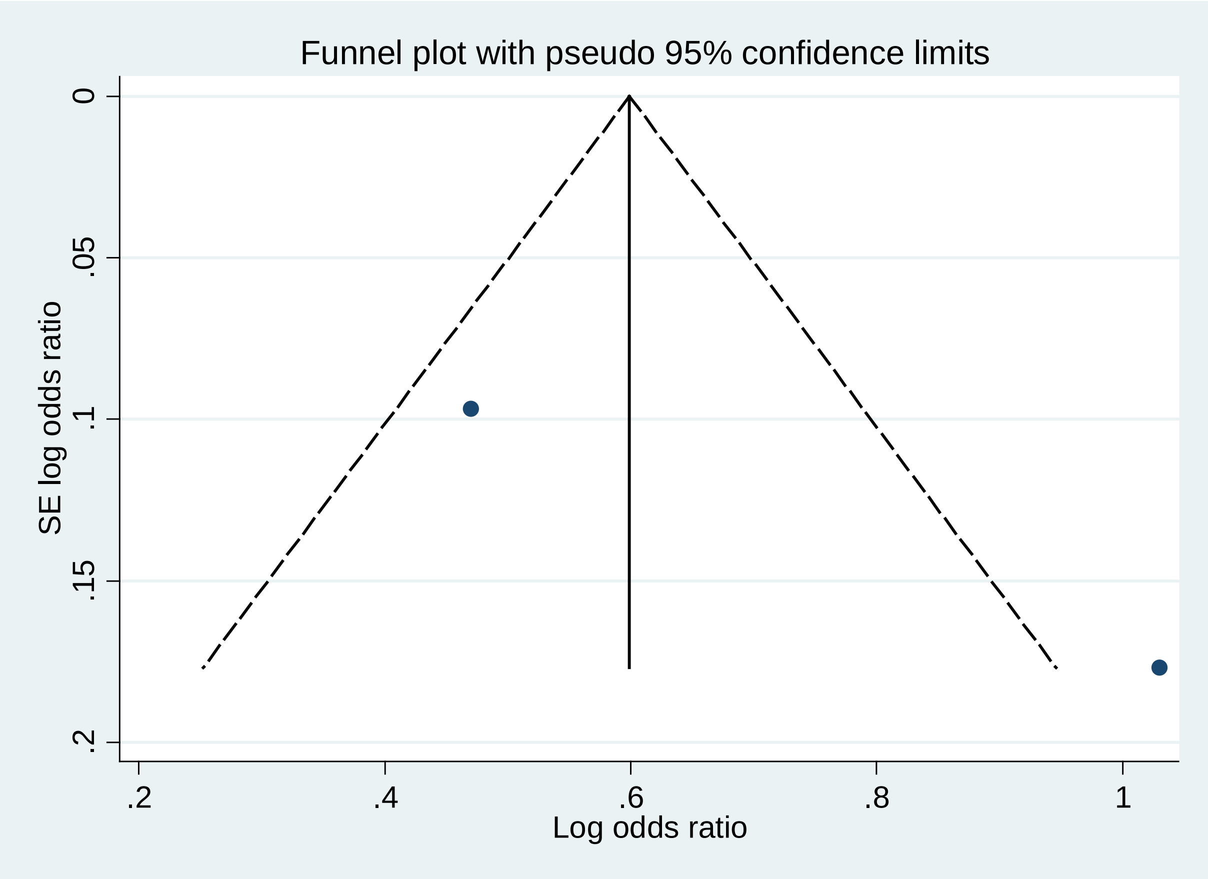
Study	ES	[95% Conf. Interval]		% Weight
435	2.800	2.000	4.000	46.50
387	1.600	1.300	1.900	53.50
D+L pooled ES	2.076	1.201	3.587	100.00

Test of ES=1 : z= 2.62 p = 0.009



Heterogeneity chi-squared = 7.71 (d.f. = 1) p = 0.006
I-squared (variation in ES attributable to heterogeneity) = 87.0%
Estimate of between-study variance Tau-squared = 0.1363

Method	Z	p_value	studies
Edgington, Normal	2.41941	.00777285	2




```
Test of H0: no small-study effects          P =     .
```

9.5.8 Meta-analysis: code 11607

Exposure	Outcome	Recidivism	Population
Conduct disorder	Criminality	Mixed	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
3.14	1.394	7.076

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.9938846	.02308233	2

9.5.9 Meta-analysis: code 11704

Exposure	Outcome	Recidivism	Population
Conduct disorder	Severe recidivism	Yes	incarcerated juvenile offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.85	.35	2.14
1.45	.63	3.34

Meta-analysis of Bonferroni-corrected p-values

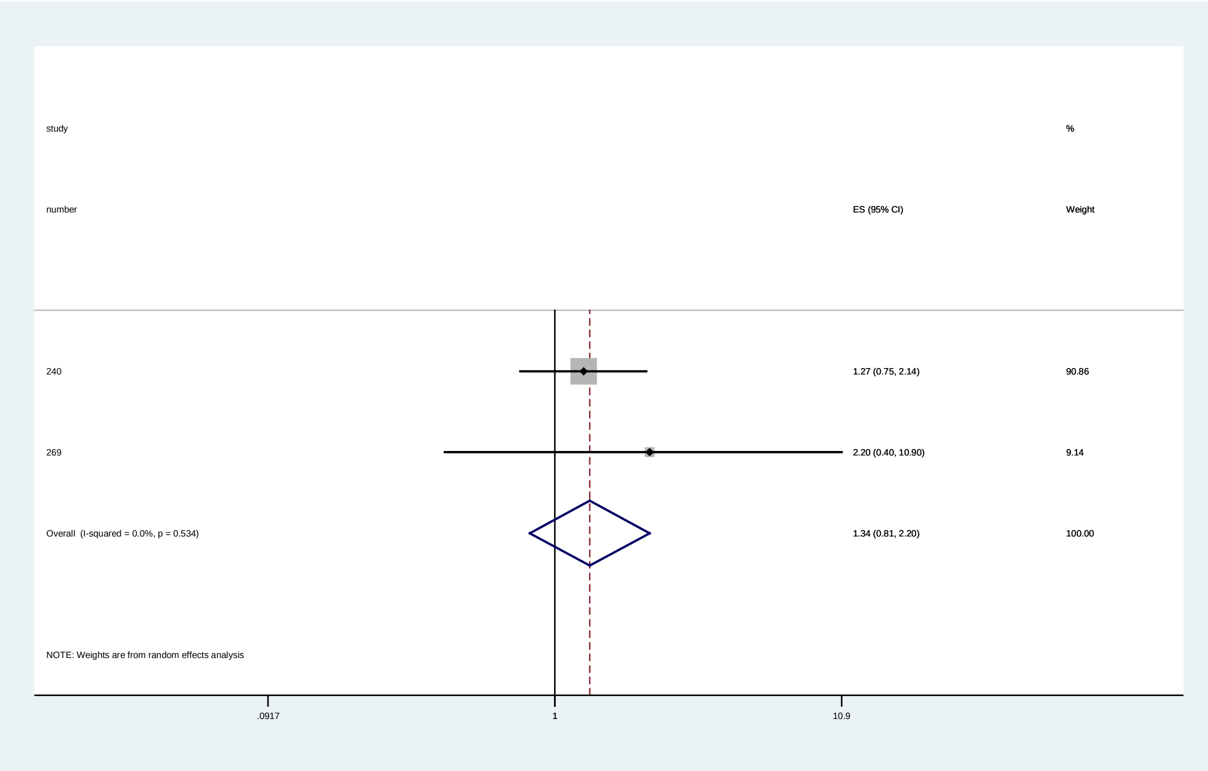
Method	Z	p_value	studies
Edgington, Normal	-.51684236	.6973669	2

9.5.10 Meta-analysis: code 20102

Exposure	Outcome	Recidivism	Population
ADHD	Violent Crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
240	1.270	0.750	2.140	90.86
269	2.200	0.400	10.900	9.14
D+L pooled ES	1.335	0.810	2.201	100.00

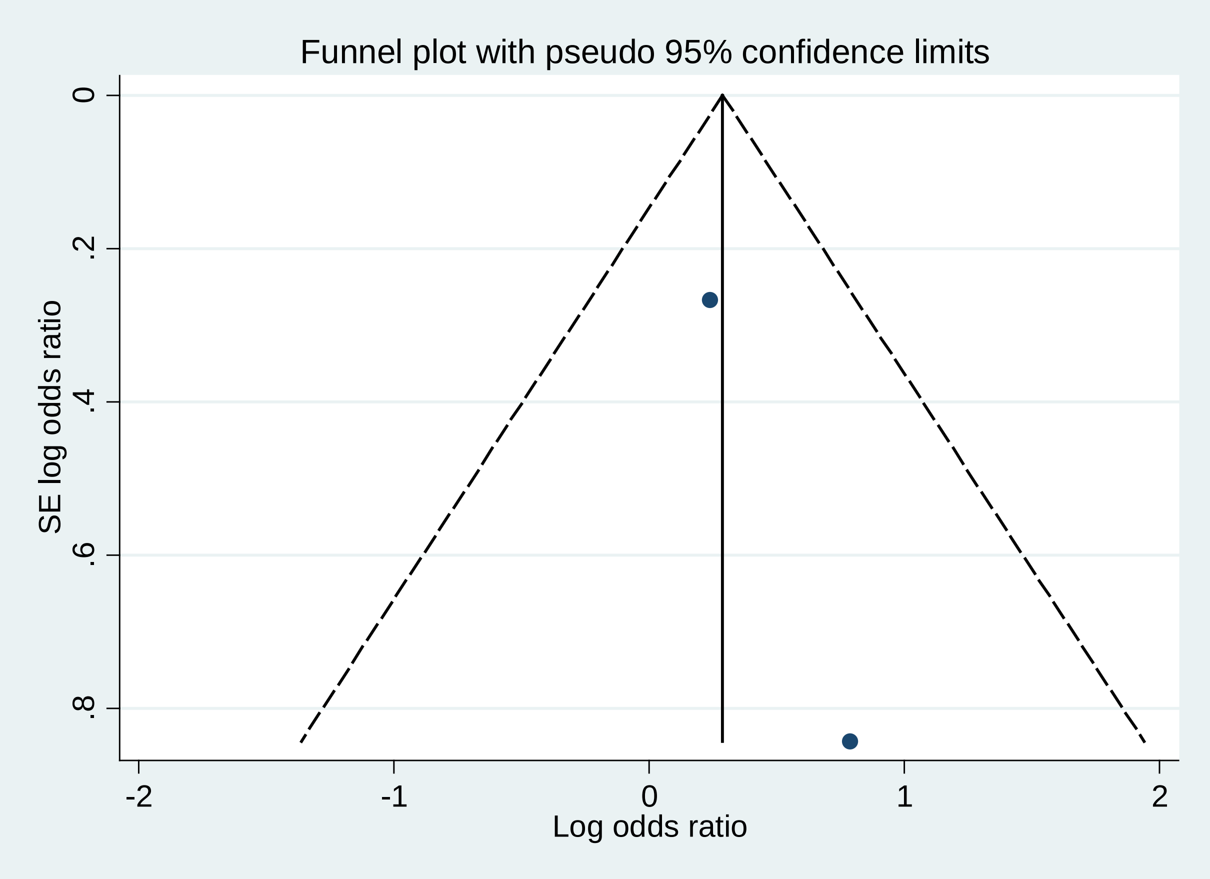
Test of ES=1 : z= 1.13 p = 0.257



Heterogeneity chi-squared = 0.39 (d.f. = 1) p = 0.534
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.9400001	.99835894	3



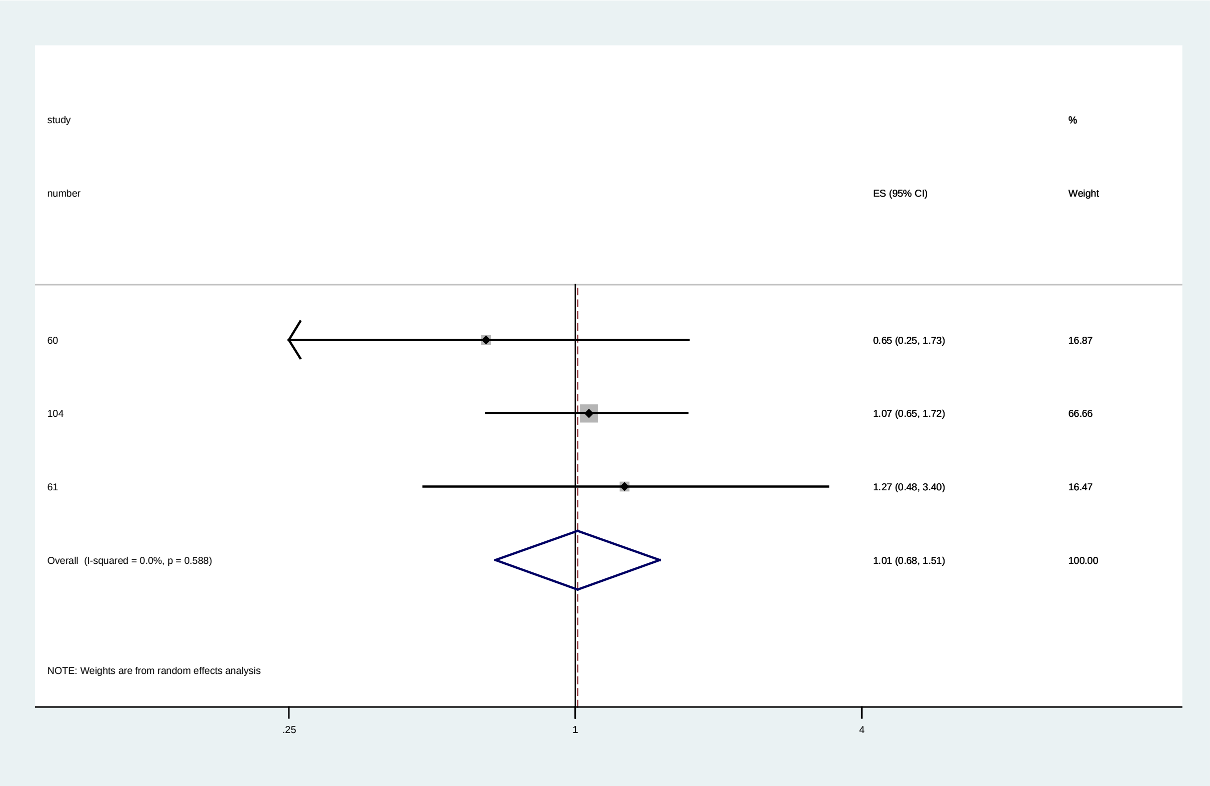

```
Test of H0: no small-study effects          P =      .
```

9.5.11 Meta-analysis: code 20104

Exposure	Outcome	Recidivism	Population
ADHD	Violent Crime	Yes	Incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
60	0.650	0.250	1.730	16.87
104	1.070	0.650	1.720	66.66
61	1.270	0.480	3.400	16.47
D+L pooled ES	1.012	0.680	1.505	100.00

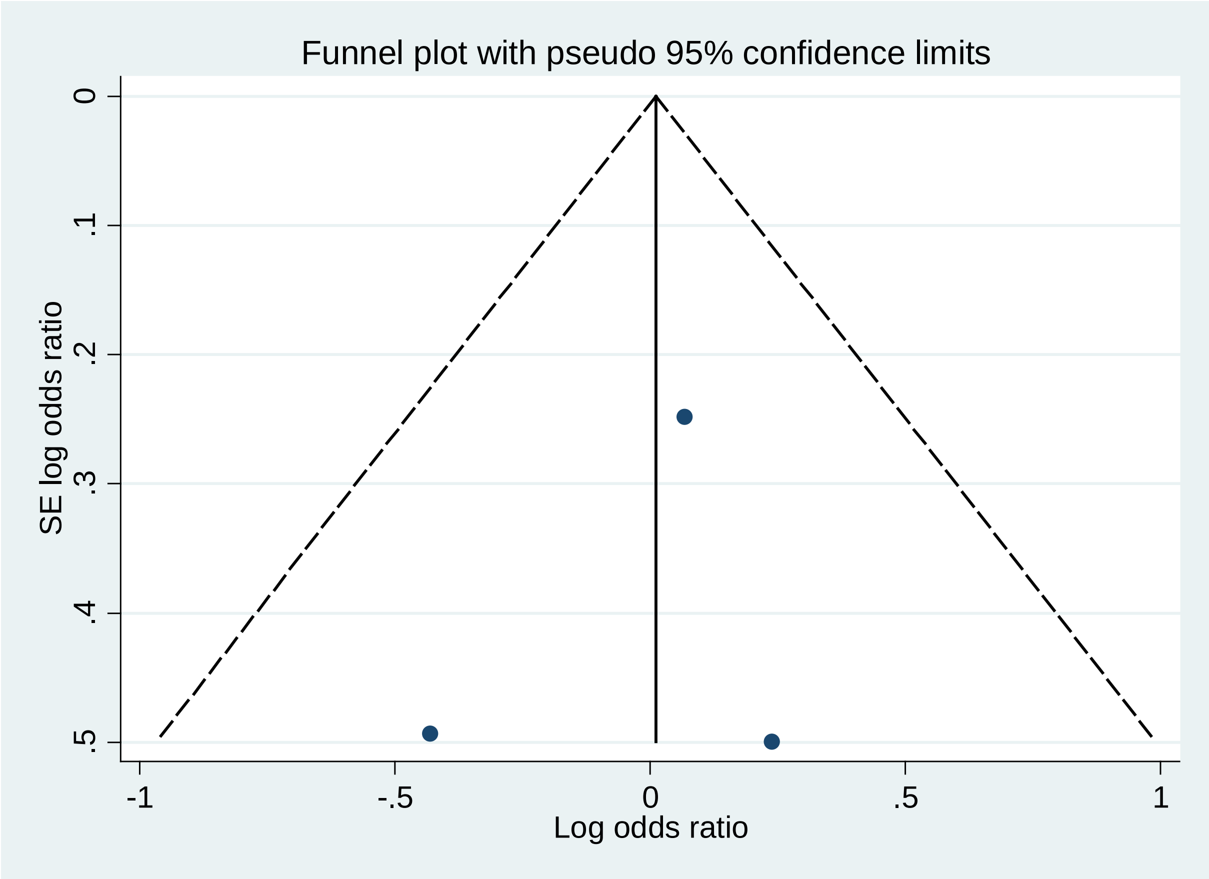
Test of ES=1 : z= 0.06 p = 0.954



Heterogeneity chi-squared = 1.06 (d.f. = 2) p = 0.588
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.9400001	.99835894	3



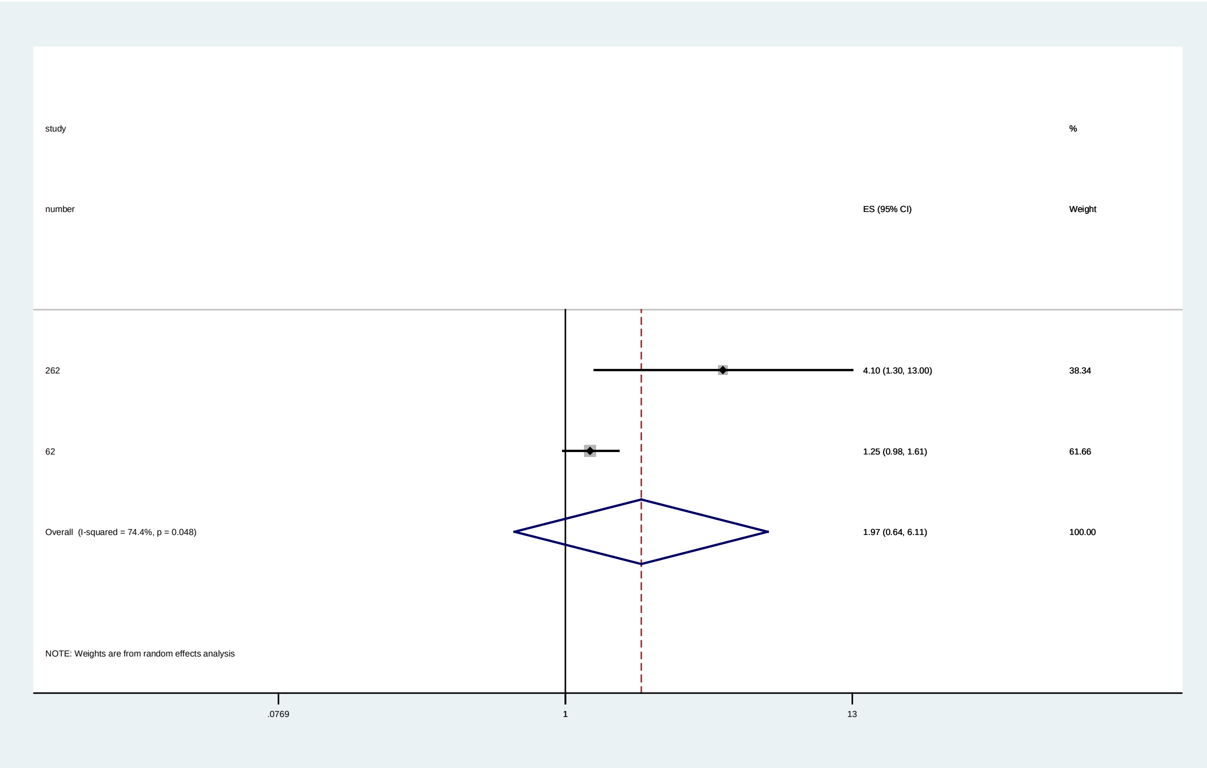
Test of H0: no small-study effects P = 0.762

9.5.12 Meta-analysis: code 20105

Exposure	Outcome	Recidivism	Population
ADHD	Violent Crime	Yes	Non-incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
262	4.100	1.300	13.000	38.34
62	1.250	0.980	1.610	61.66
D+L pooled ES	1.971	0.635	6.114	100.00

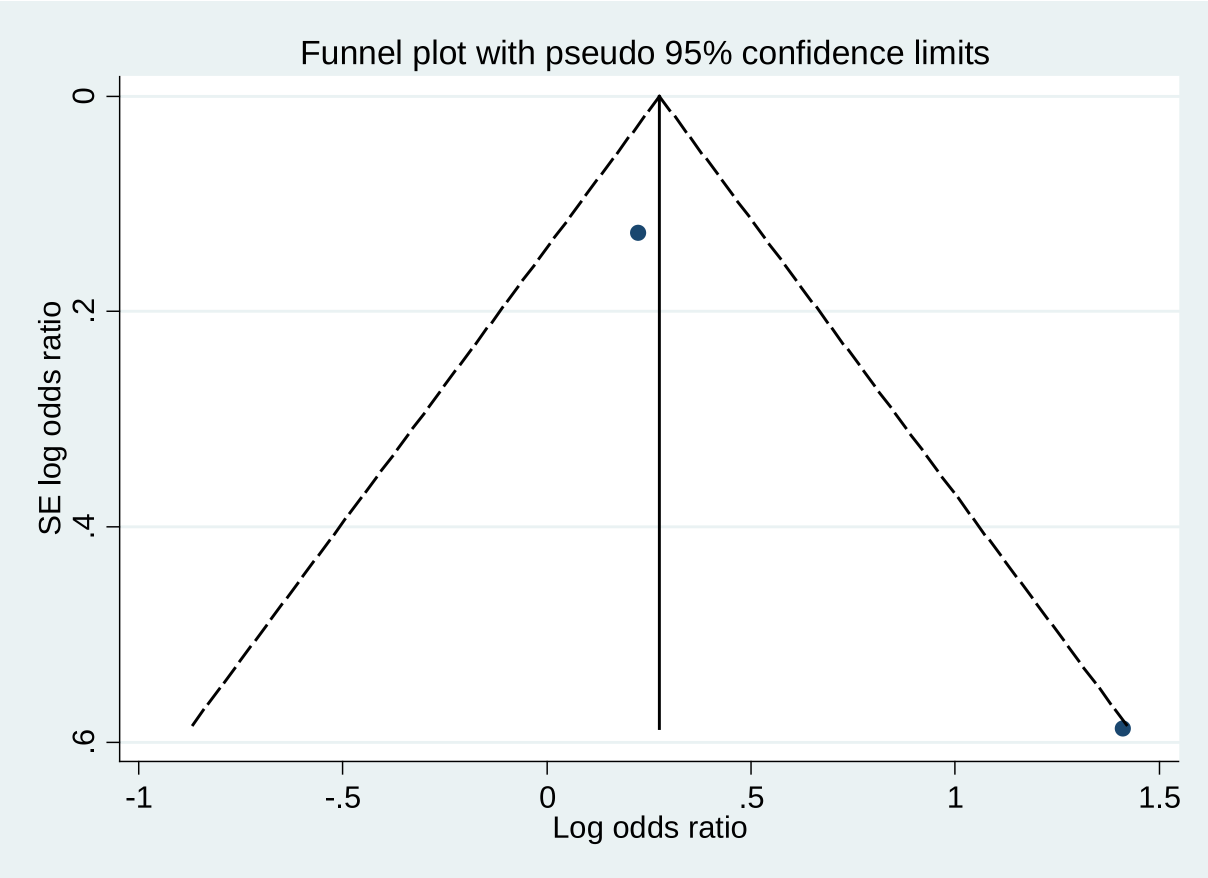
Test of ES=1 : z= 1.17 p = 0.240



Heterogeneity chi-squared = 3.91 (d.f. = 1) p = 0.048
I-squared (variation in ES attributable to heterogeneity) = 74.4%
Estimate of between-study variance Tau-squared = 0.5249

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.21065614	.5834222	2



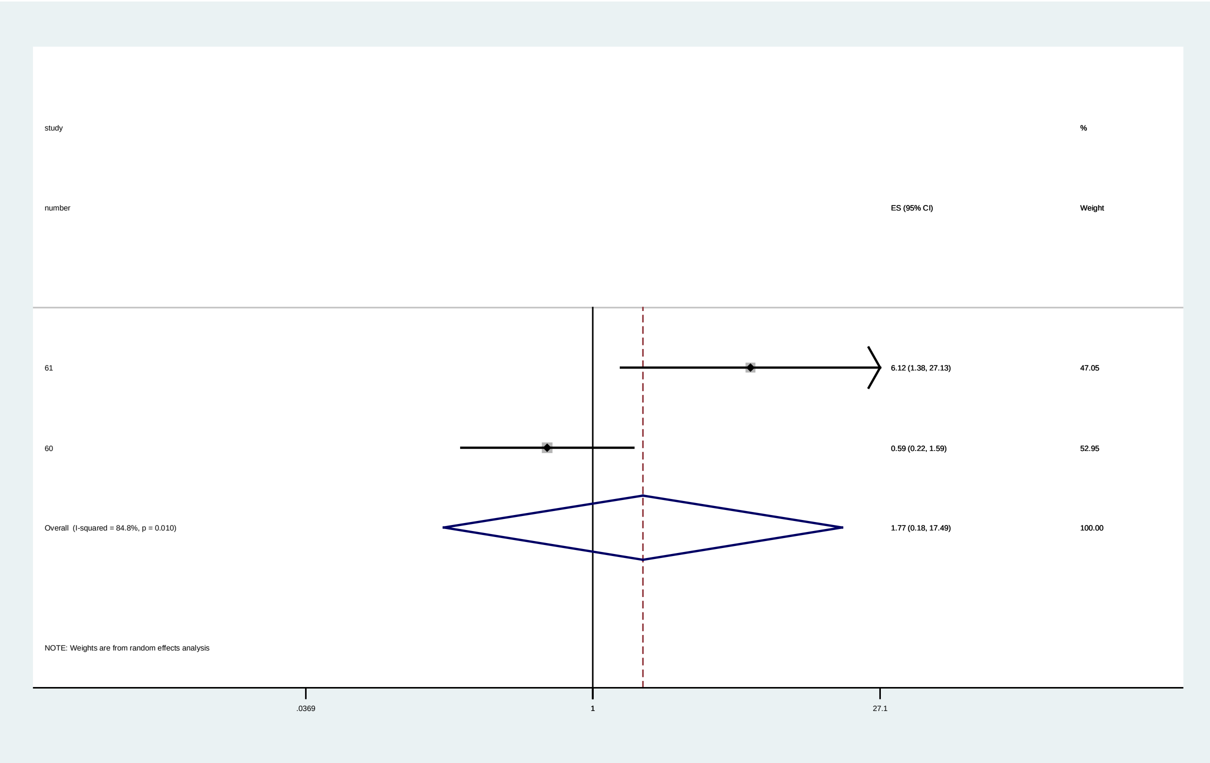
Test of H0: no small-study effects   P =   .

9.5.13 Meta-analysis: code 20204

Exposure	Outcome	Recidivism	Population
ADHD	Property crime	Yes	Incarcerated juvenile offenders

Study	ES	[95% Conf. Interval]		% Weight
61	6.120	1.380	27.130	47.05
60	0.590	0.220	1.590	52.95
D+L pooled ES	1.774	0.180	17.485	100.00

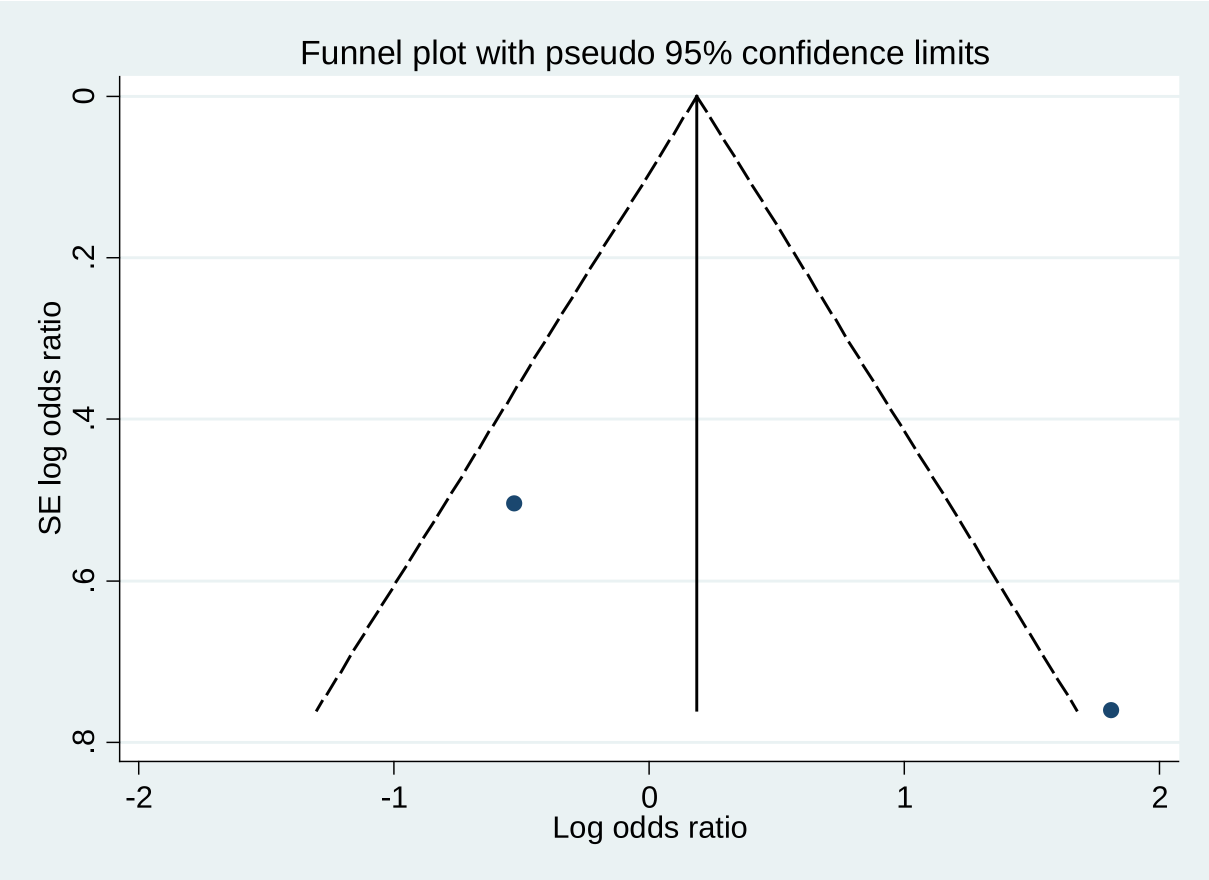
Test of ES=1 : z= 0.49 p = 0.624



Heterogeneity chi-squared = 6.58 (d.f. = 1) p = 0.010
I-squared (variation in ES attributable to heterogeneity) = 84.8%
Estimate of between-study variance Tau-squared = 2.3199

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.3913102	.91793431	2



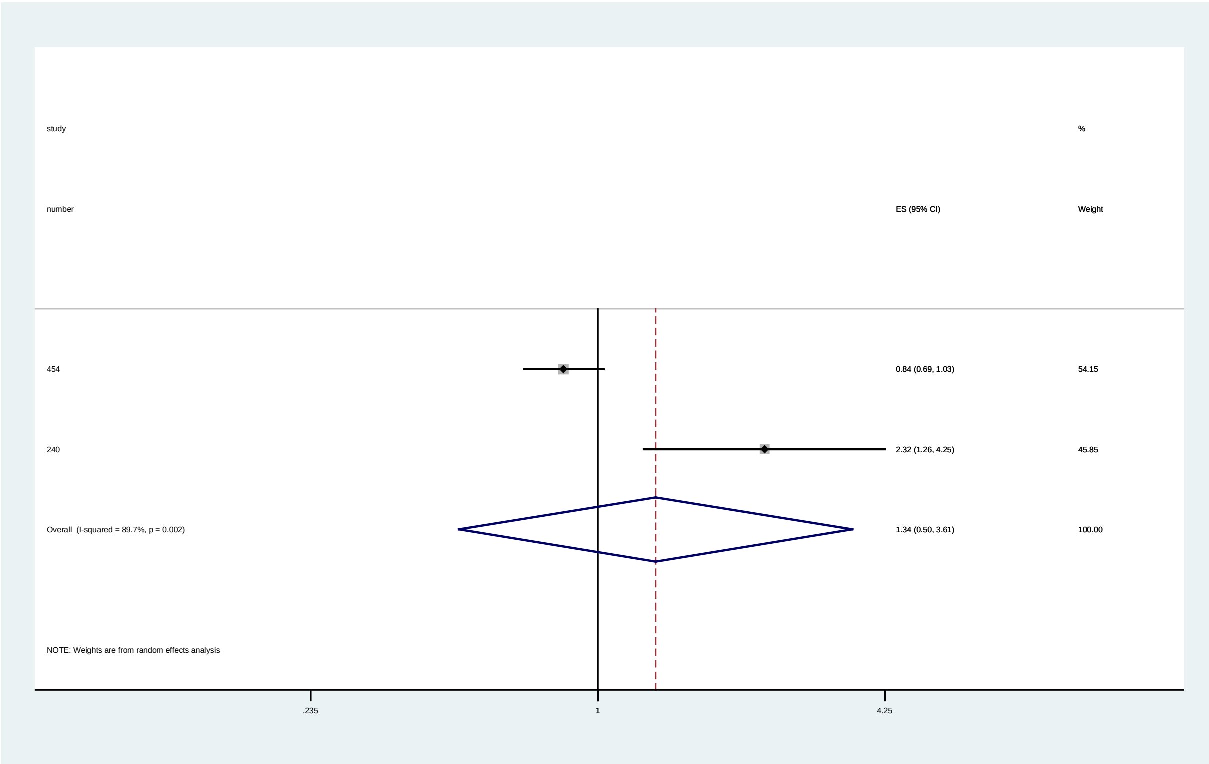
Test of H0: no small-study effects   P =   .

9.5.14 Meta-analysis: code 30102

Exposure	Outcome	Recidivism	Population
Ethnic minority	Violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
454	0.840	0.690	1.030	54.15
240	2.320	1.260	4.250	45.85
D+L pooled ES	1.338	0.496	3.609	100.00

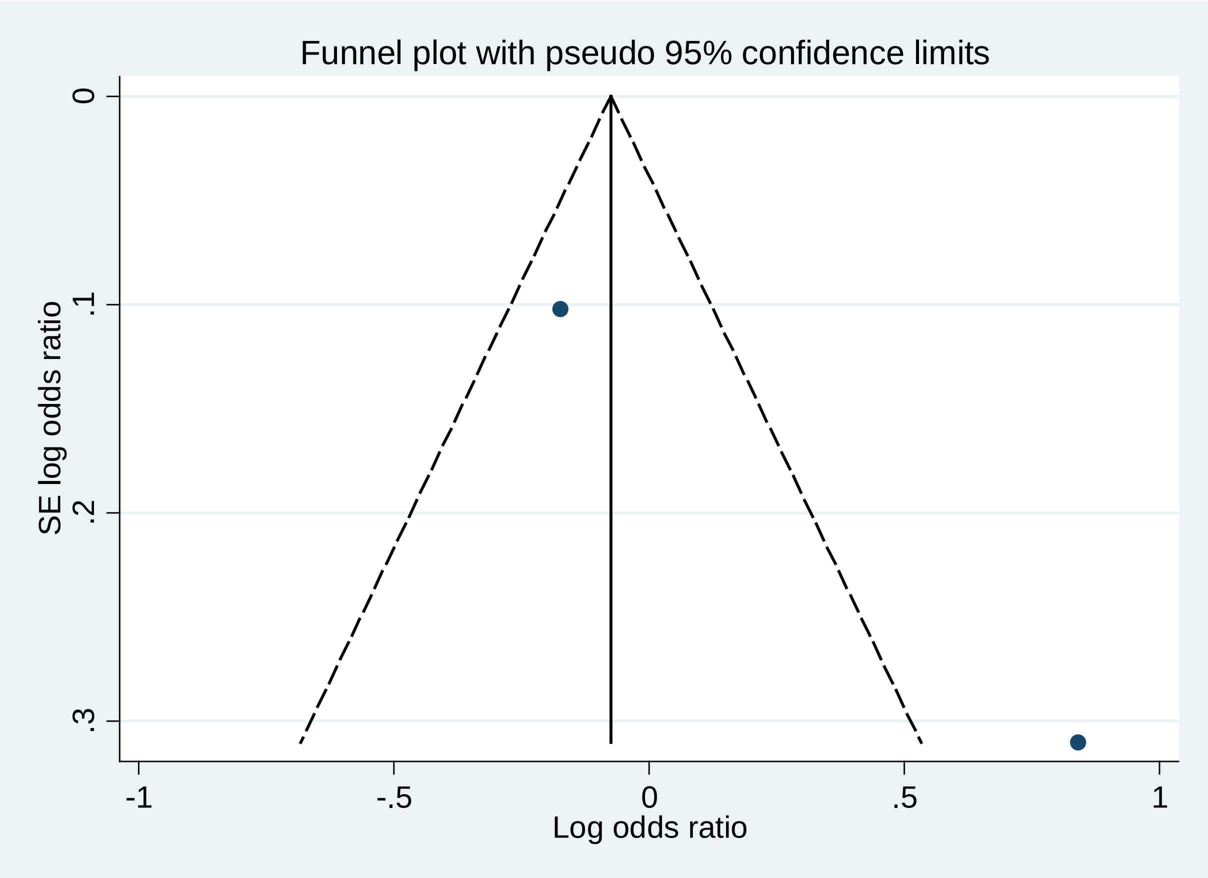
Test of ES=1 : z= 0.58 p = 0.565



Heterogeneity chi-squared = 9.68 (d.f. = 1) p = 0.002
I-squared (variation in ES attributable to heterogeneity) = 89.7%
Estimate of between-study variance Tau-squared = 0.4627

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.90631122	.81761442	2



Test of H0: no small-study effects   P =   .

9.5.15 Meta-analysis: code 30106

Exposure	Outcome	Recidivism	Population
Ethnic minority	Violent crime	Yes	non-incarcerated offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
     1.87            .          .

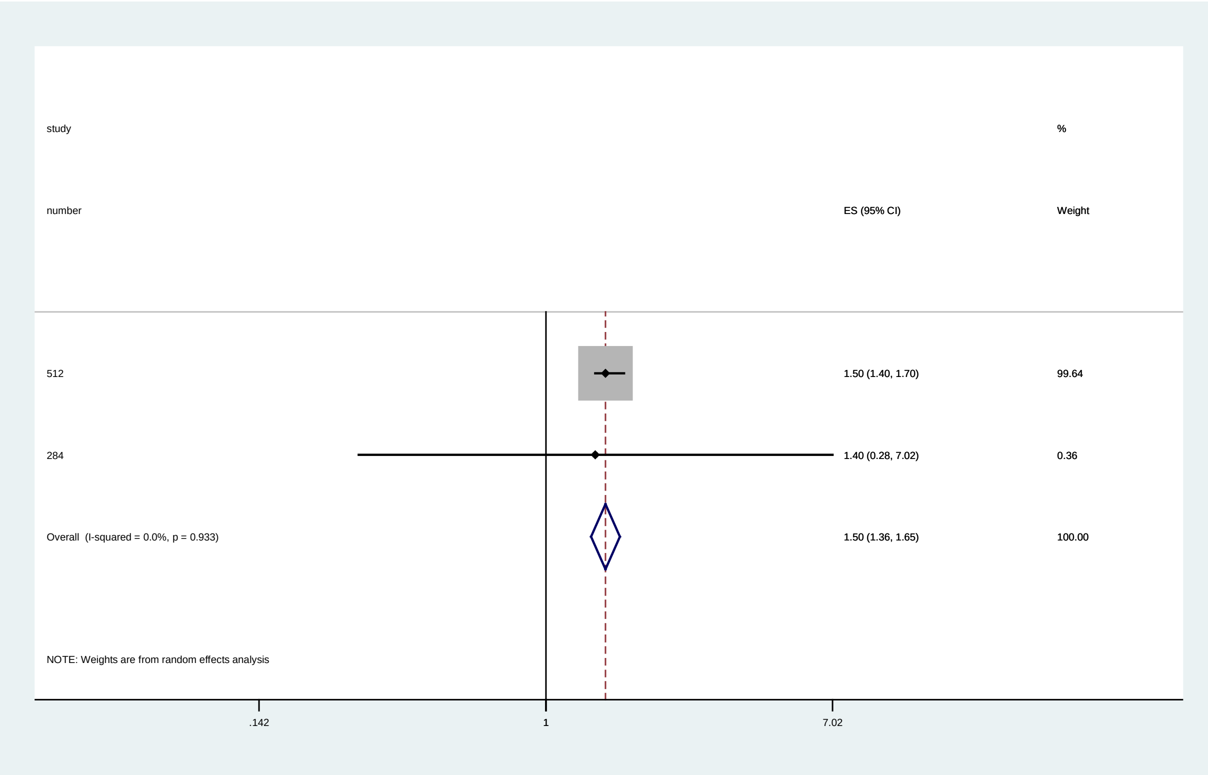

Meta-analysis of Bonferroni-corrected p-values
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.445199    .92579901    2
--------------------------------------------------------------
```

9.5.16 Meta-analysis: code 30107

Exposure	Outcome	Recidivism	Population
Ethnic minority	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
512	1.500	1.400	1.700	99.64
284	1.400	0.280	7.020	0.36
D+L pooled ES	1.500	1.361	1.652	100.00

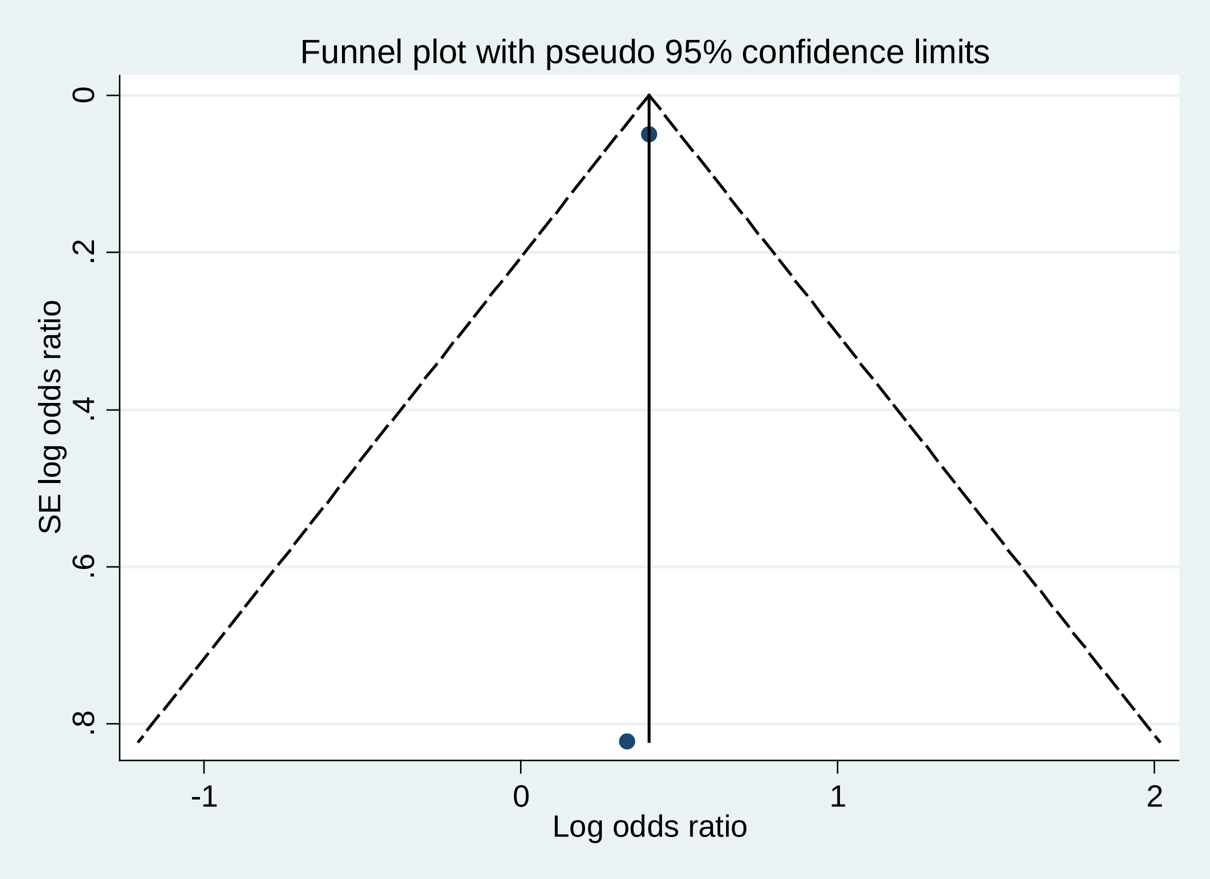
Test of ES=1 : z= 8.20 p = 0.000



Heterogeneity chi-squared = 0.01 (d.f. = 1) p = 0.933
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.019106	.49237827	2



Test of H0: no small-study effects   P =   .

9.5.17 Meta-analysis: code 30108

Exposure	Outcome	Recidivism	Population
Ethnic minority	Violent crime	Yes	Incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.8	.	.
1.07	.	.

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.53888778	.70501785	2

9.5.18 Meta-analysis: code 31606

Exposure	Outcome	Recidivism	Population
Ethnic minority	Criminality	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.46	.	.

Meta-analysis of Bonferroni-corrected p-values

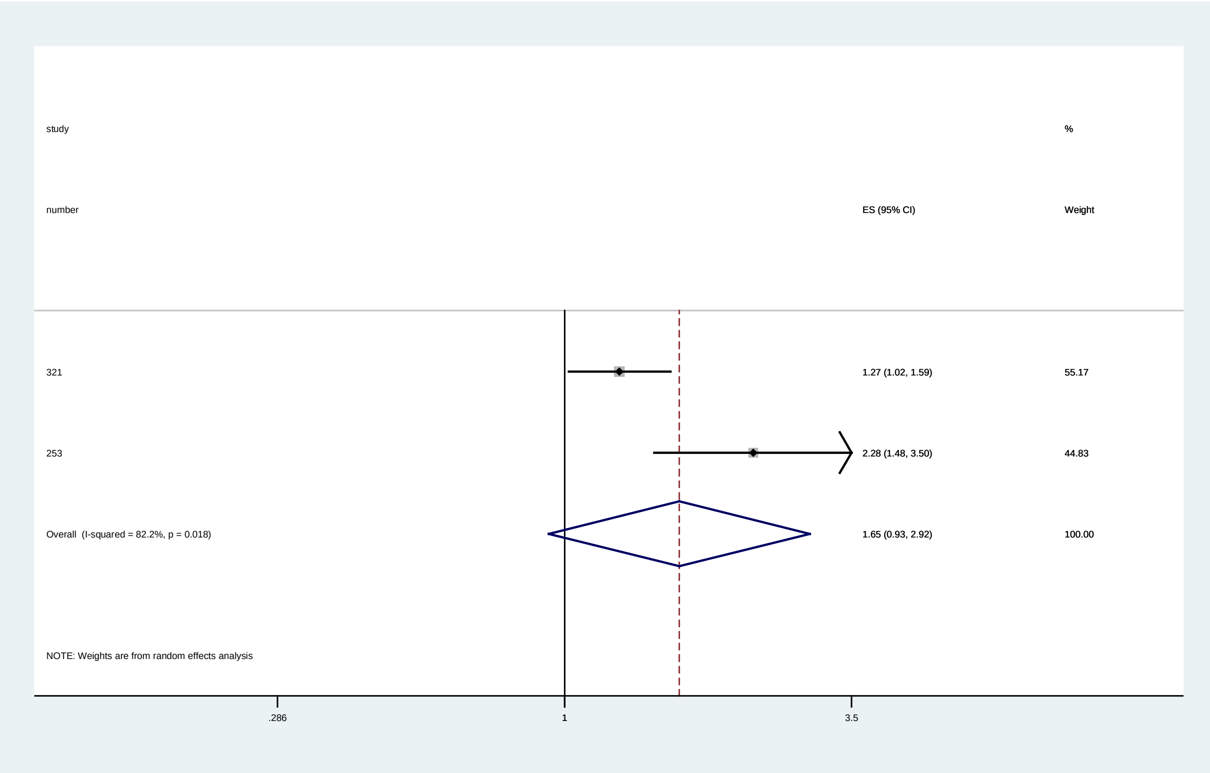
Method	Z	p_value	studies
Edgington, Normal	-.69628444	.75687464	4

9.5.19 Meta-analysis: code 40101

Exposure	Outcome	Recidivism	Population
Prior criminality	Violent crime	Yes	Sex offenders

Study	ES	[95% Conf.	Interval]	% Weight
321	1.270	1.020	1.590	55.17
253	2.280	1.480	3.500	44.83
D+L pooled ES	1.651	0.933	2.920	100.00

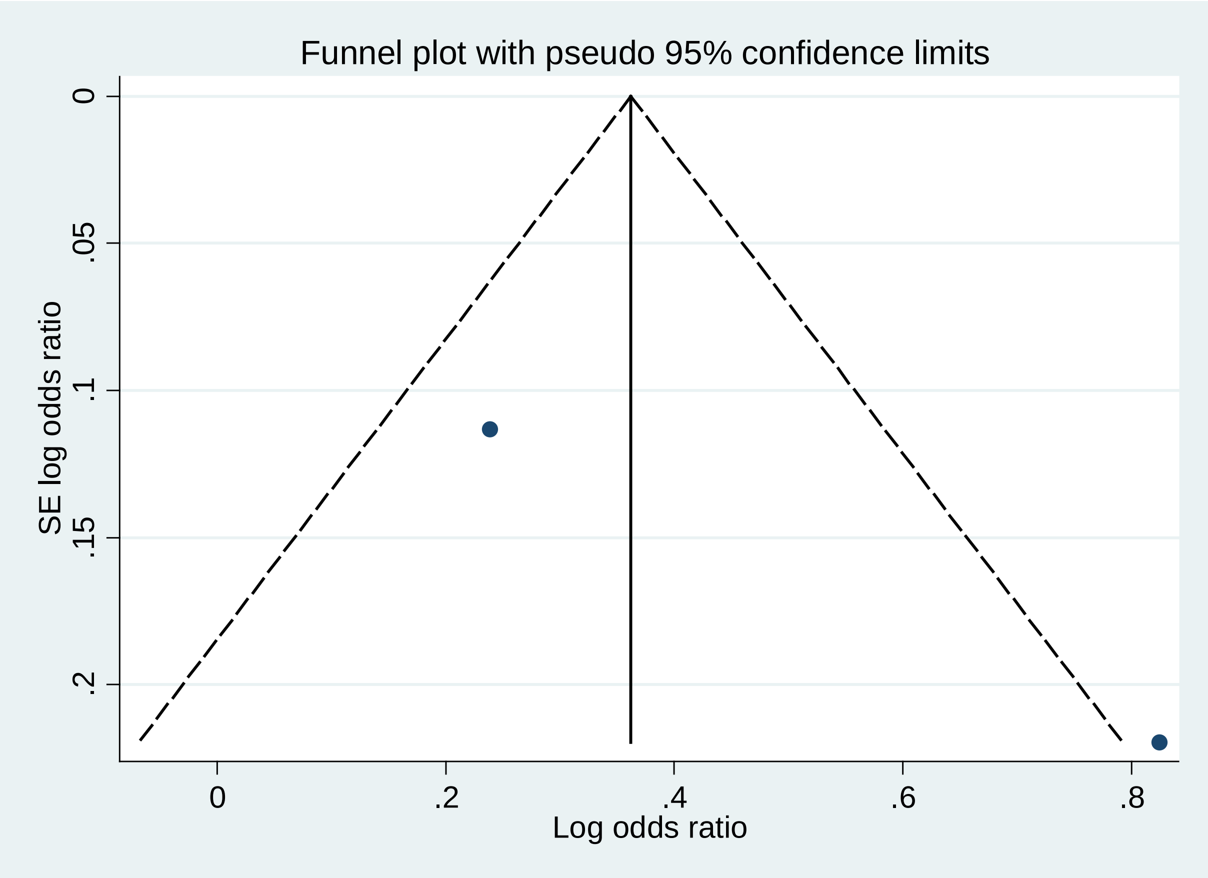
Test of ES=1 : z= 1.72 p = 0.085



Heterogeneity chi-squared = 5.61 (d.f. = 1) p = 0.018
I-squared (variation in ES attributable to heterogeneity) = 82.2%
Estimate of between-study variance Tau-squared = 0.1407

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.2037753	.88566178	4



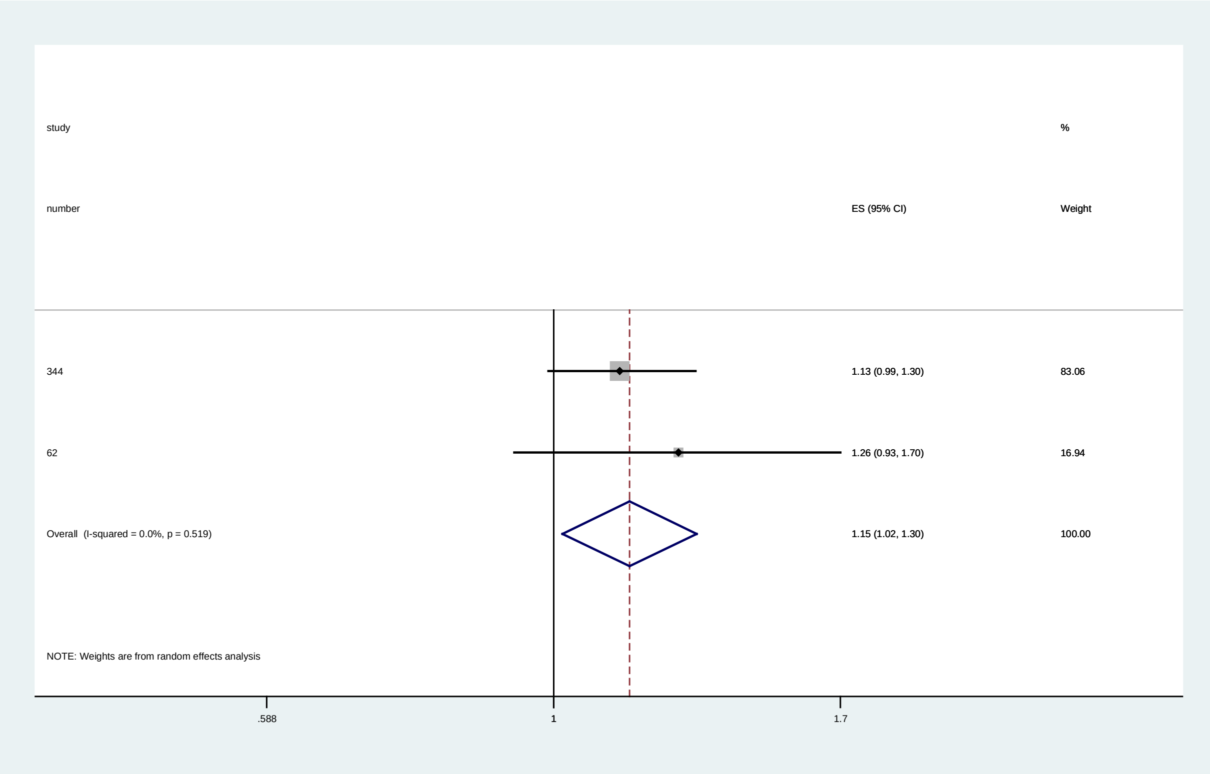
Test of H0: no small-study effects P = .

9.5.20 Meta-analysis: code 40105

Exposure	Outcome	Recidivism	Population
Prior criminality	Violent crime	Yes	Non-incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
344	1.130	0.990	1.300	83.06
62	1.260	0.930	1.700	16.94
D+L pooled ES	1.151	1.017	1.303	100.00

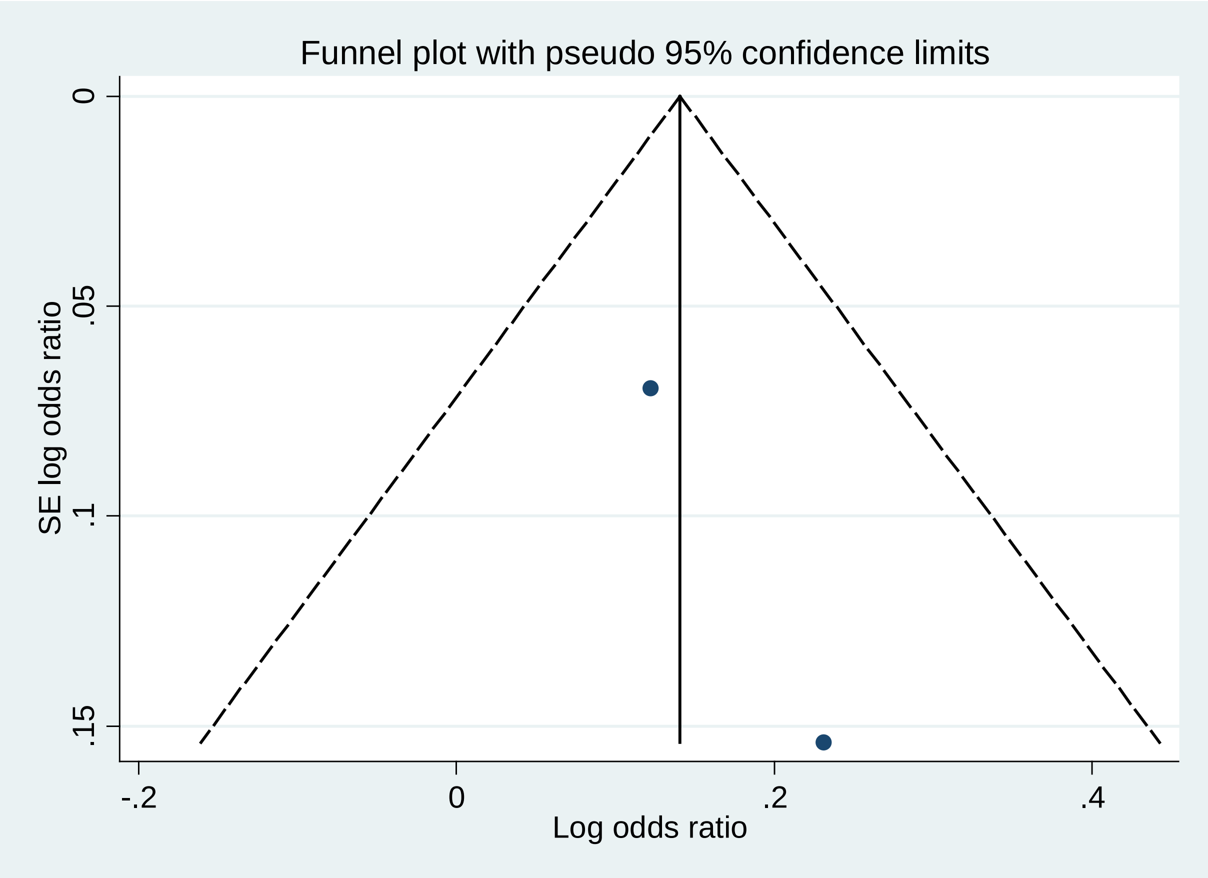
Test of ES=1 : z= 2.22 p = 0.026



Heterogeneity chi-squared = 0.42 (d.f. = 1) p = 0.519
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2



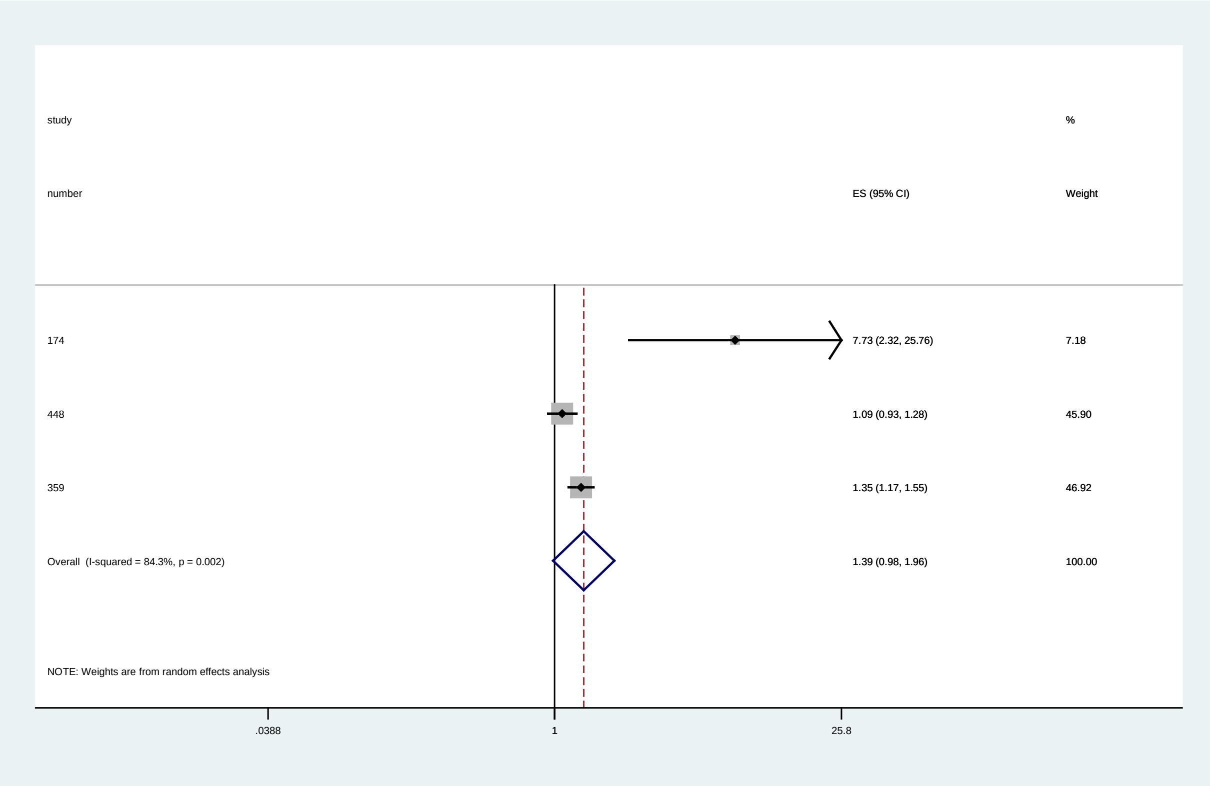
Test of H0: no small-study effects P = .

9.5.21 Meta-analysis: code 40106

Exposure	Outcome	Recidivism	Population
Prior criminality	Violent crime	Yes	Non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
174	7.730	2.320	25.760	7.18
448	1.090	0.930	1.280	45.90
359	1.350	1.170	1.550	46.92
D+L pooled ES	1.387	0.979	1.965	100.00

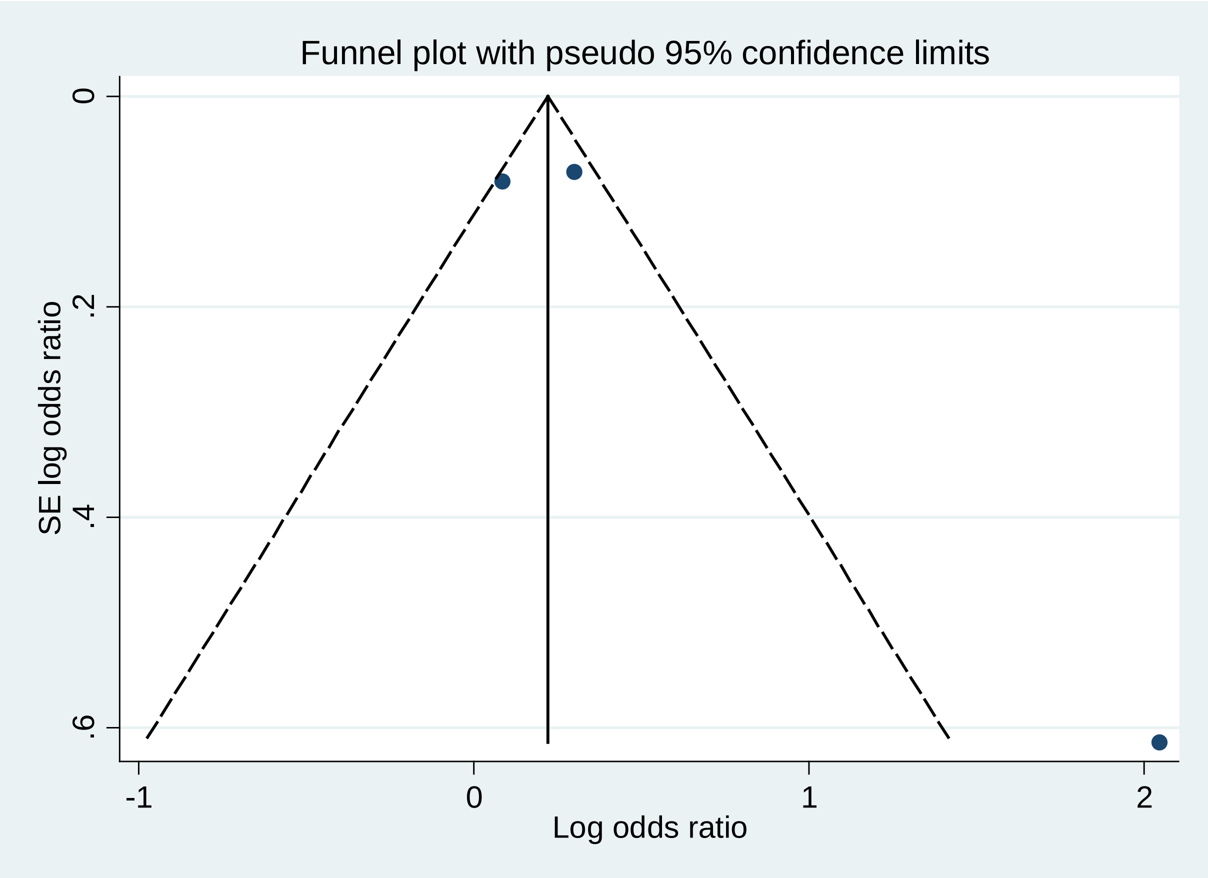
Test of ES=1 : z= 1.84 p = 0.065



Heterogeneity chi-squared = 12.78 (d.f. = 2) p = 0.002
I-squared (variation in ES attributable to heterogeneity) = 84.3%
Estimate of between-study variance Tau-squared = 0.0621

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.84428547	.19925495	6



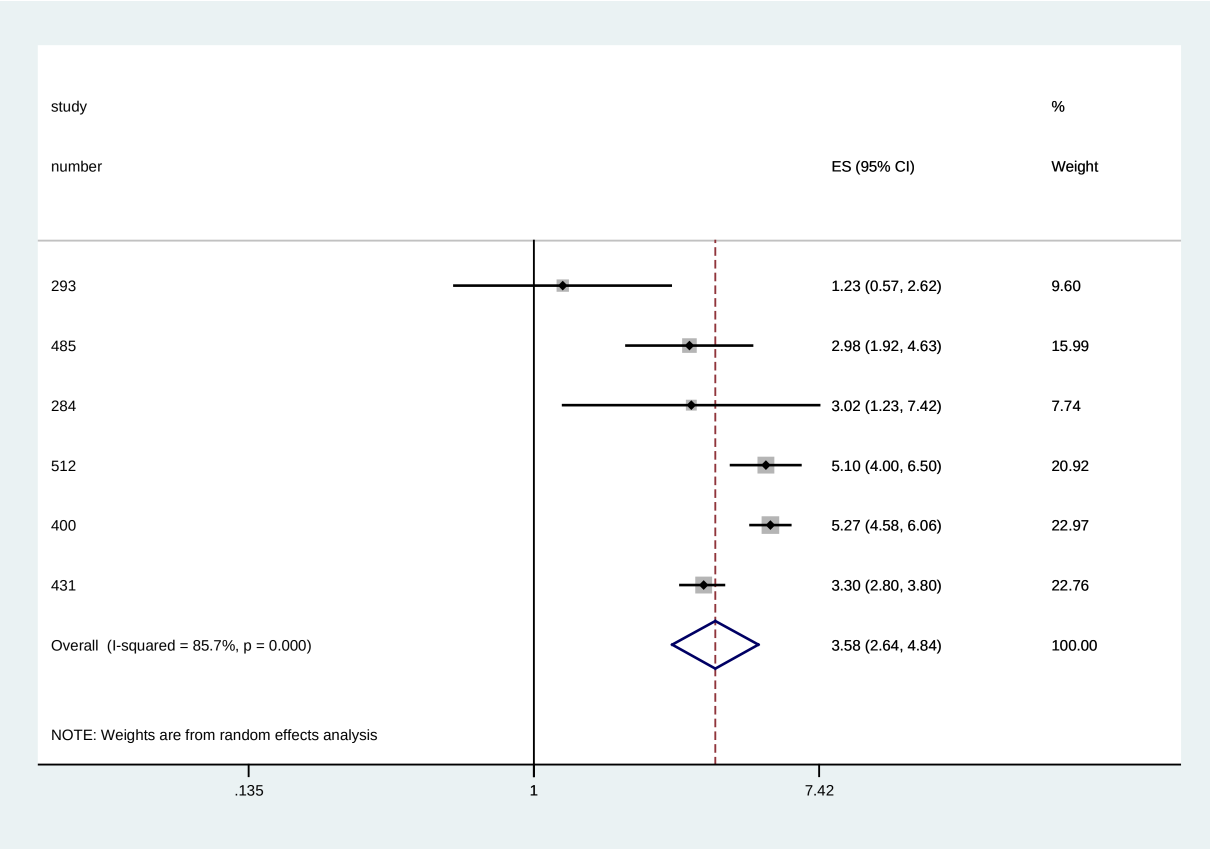
Test of H0: no small-study effects P = 0.437

9.5.22 Meta-analysis: code 40107

Exposure	Outcome	Recidivism	Population
Prior criminality	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
293	1.225	0.573	2.618	9.60
485	2.981	1.918	4.632	15.99
284	3.020	1.230	7.420	7.74
512	5.100	4.000	6.500	20.92
400	5.270	4.580	6.060	22.97
431	3.300	2.800	3.800	22.76
D+L pooled ES	3.576	2.640	4.843	100.00

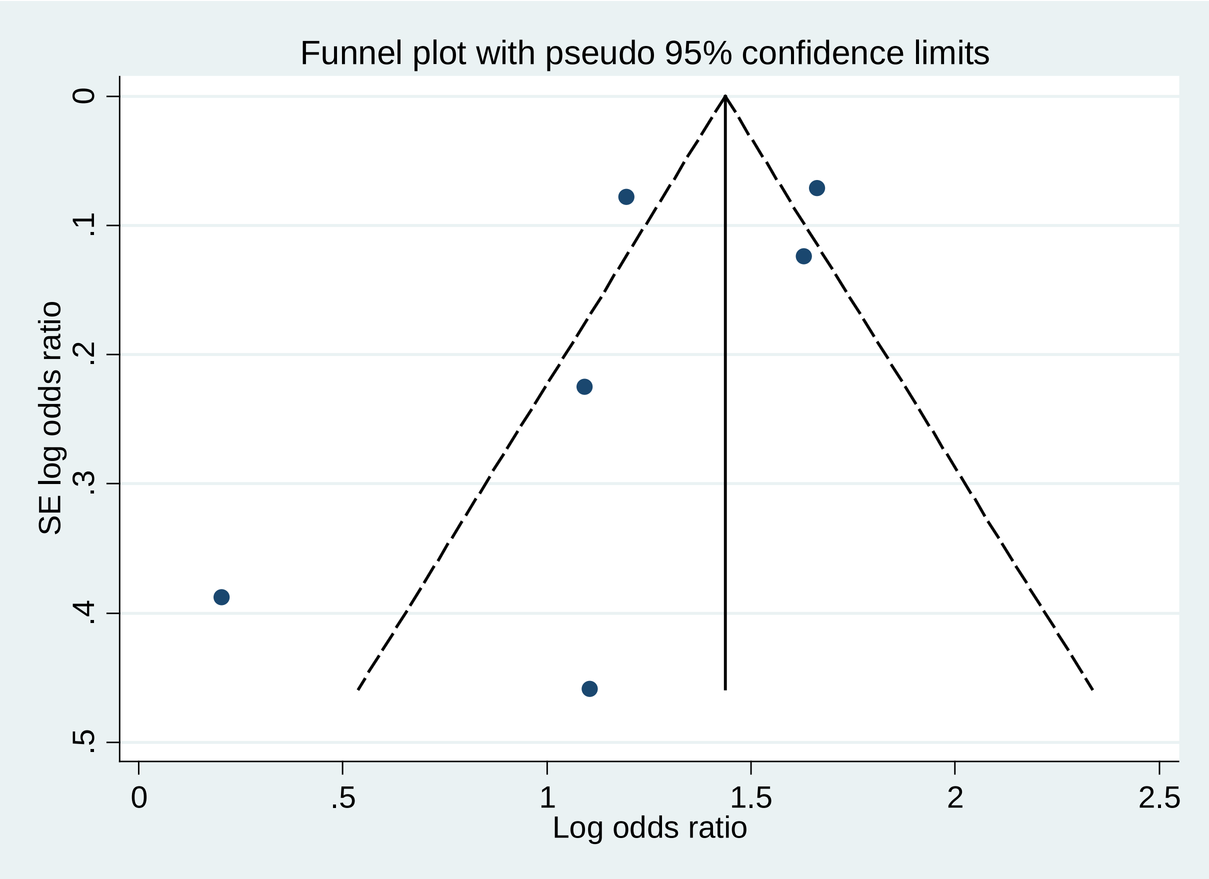
Test of ES=1 : z= 8.23 p = 0.000



Heterogeneity chi-squared = 35.08 (d.f. = 5) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 85.7%
Estimate of between-study variance Tau-squared = 0.0991

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.18483764	.42667819	6



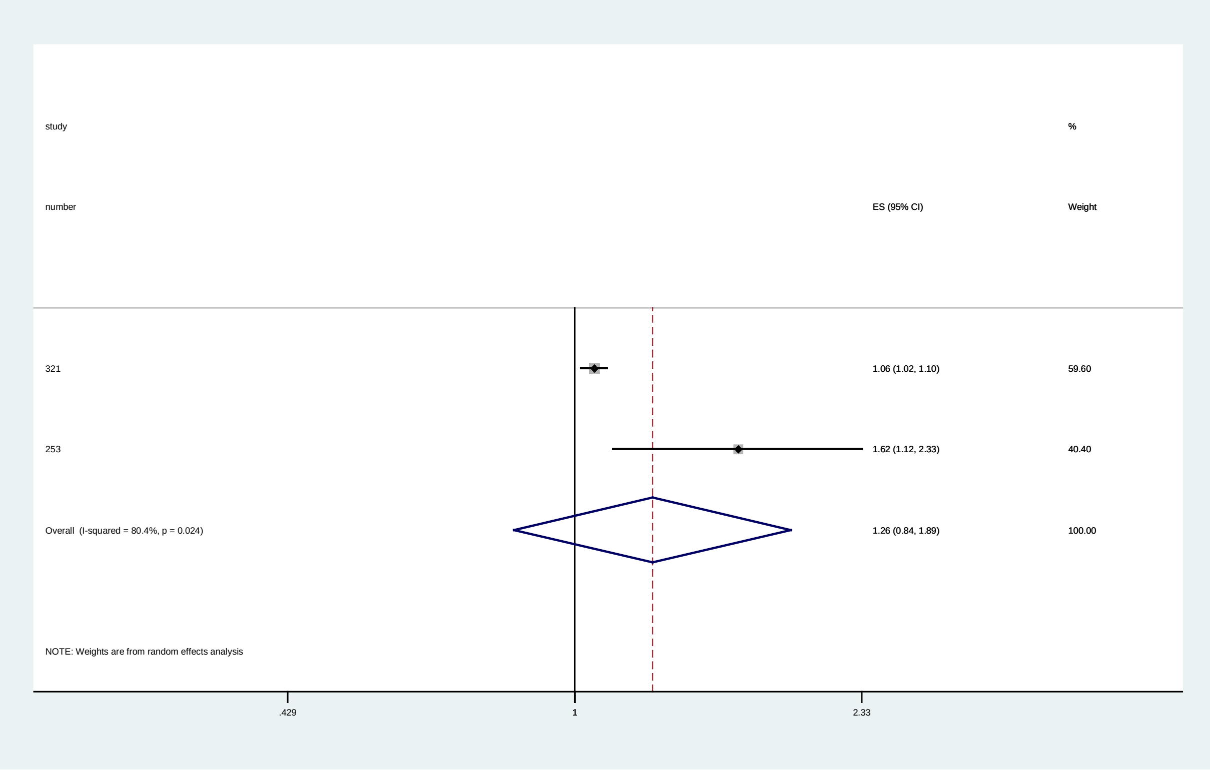
Test of H0: no small-study effects P = 0.320

9.5.23 Meta-analysis: code 41601

Exposure	Outcome	Recidivism	Population
Prior criminality	Criminality	Yes	Sex offenders

Study	ES	[95% Conf.	Interval]	% Weight
321	1.060	1.020	1.100	59.60
253	1.620	1.120	2.330	40.40
D+L pooled ES	1.258	0.837	1.892	100.00

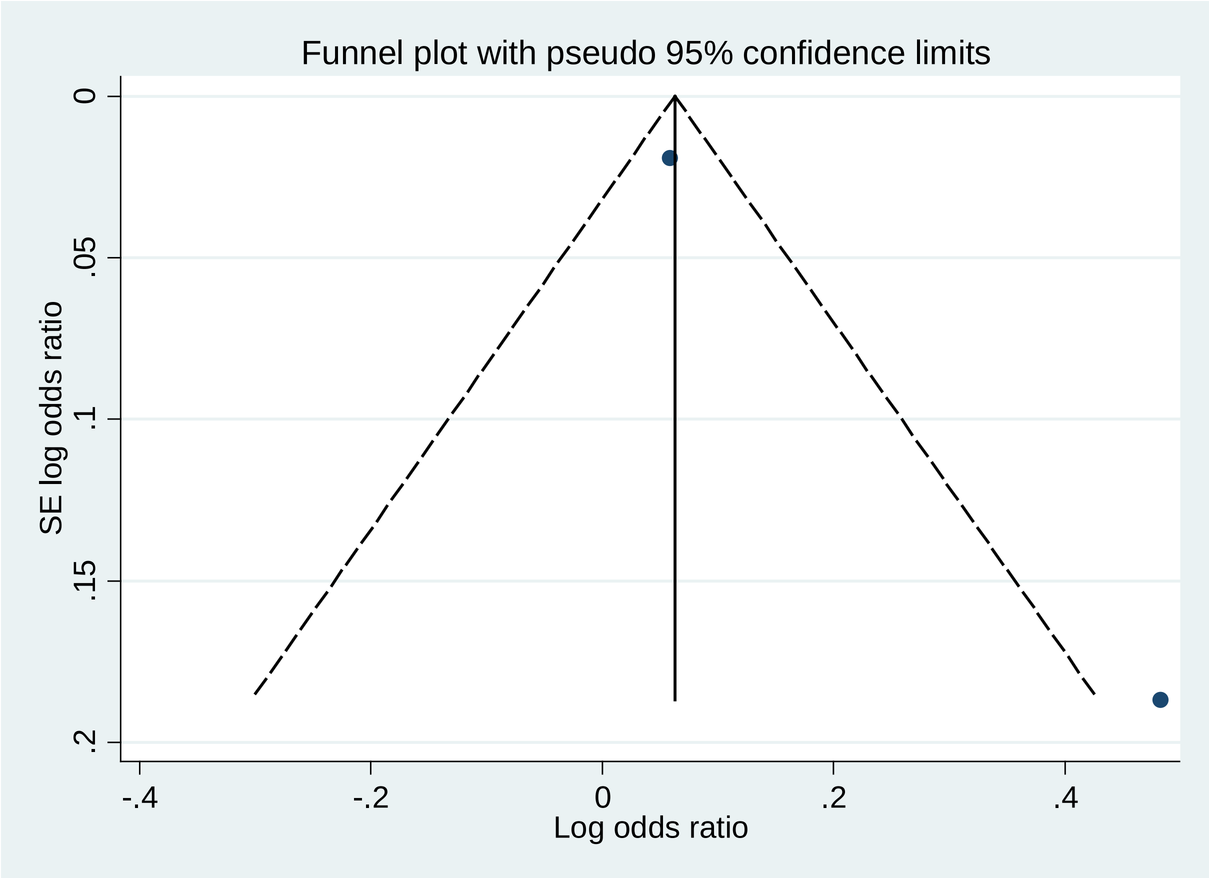
Test of ES=1 : z= 1.10 p = 0.270



Heterogeneity chi-squared = 5.10 (d.f. = 1) p = 0.024
I-squared (variation in ES attributable to heterogeneity) = 80.4%
Estimate of between-study variance Tau-squared = 0.0723

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.51000002	.69497428	3



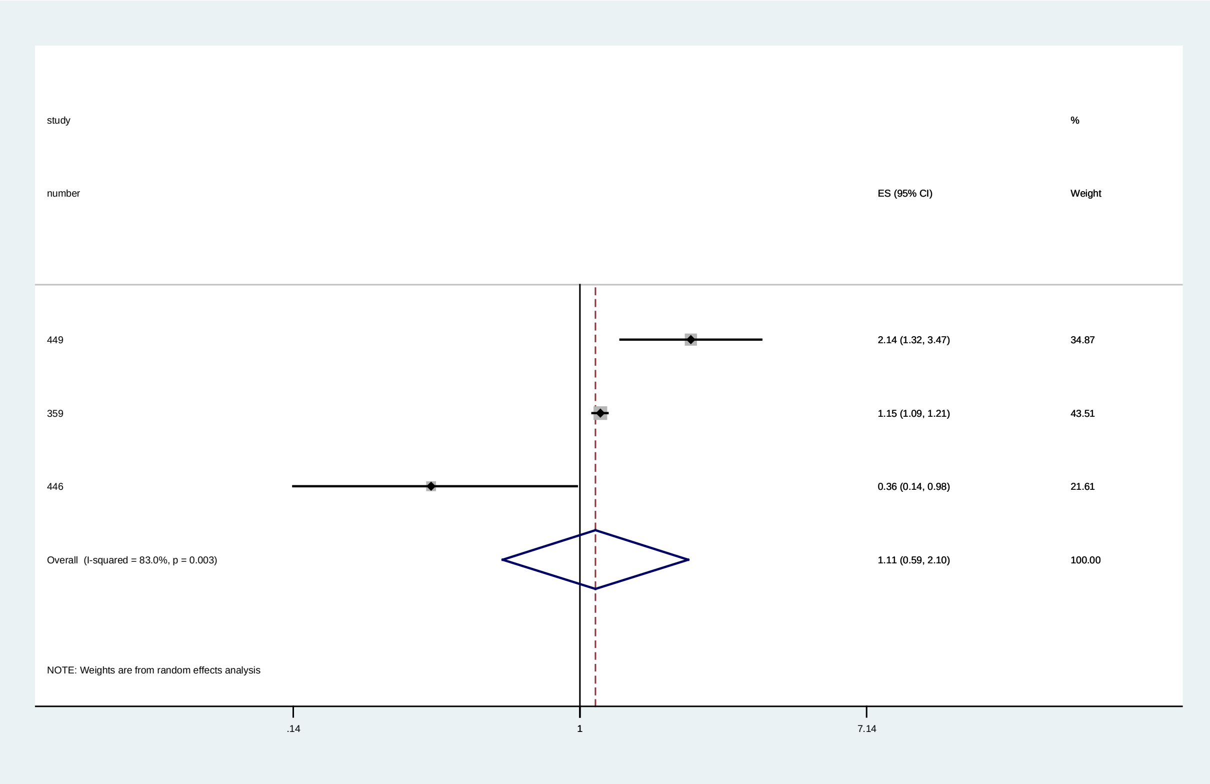

```
Test of H0: no small-study effects          P =      .
```

9.5.24 Meta-analysis: code 41606

Exposure	Outcome	Recidivism	Population
Prior criminality	Criminality	Yes	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
449	2.140	1.320	3.470	34.87
359	1.150	1.090	1.210	43.51
446	0.360	0.140	0.980	21.61
D+L pooled ES	1.111	0.588	2.100	100.00

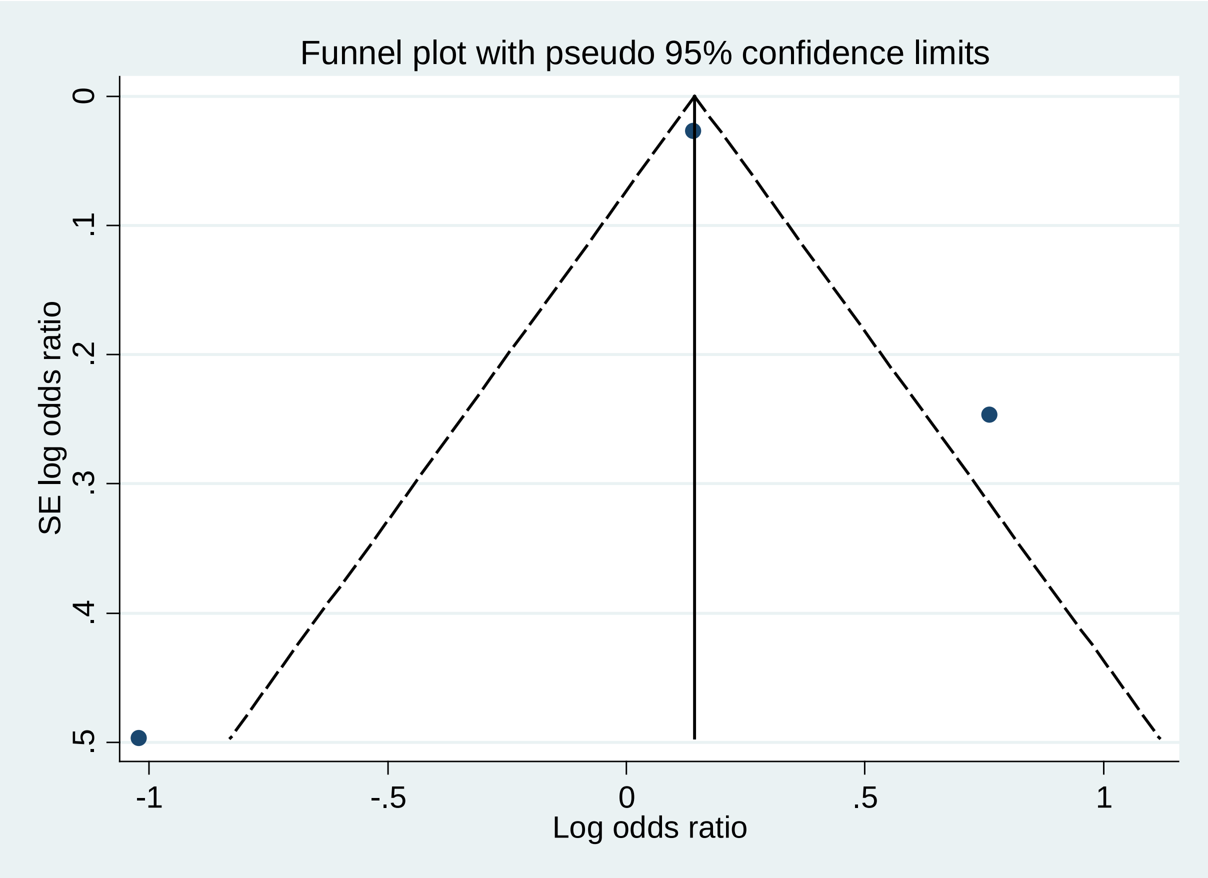
Test of ES=1 : z= 0.32 p = 0.746



Heterogeneity chi-squared = 11.80 (d.f. = 2) p = 0.003
I-squared (variation in ES attributable to heterogeneity) = 83.0%
Estimate of between-study variance Tau-squared = 0.2418

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	3.0853598	.00101653	9



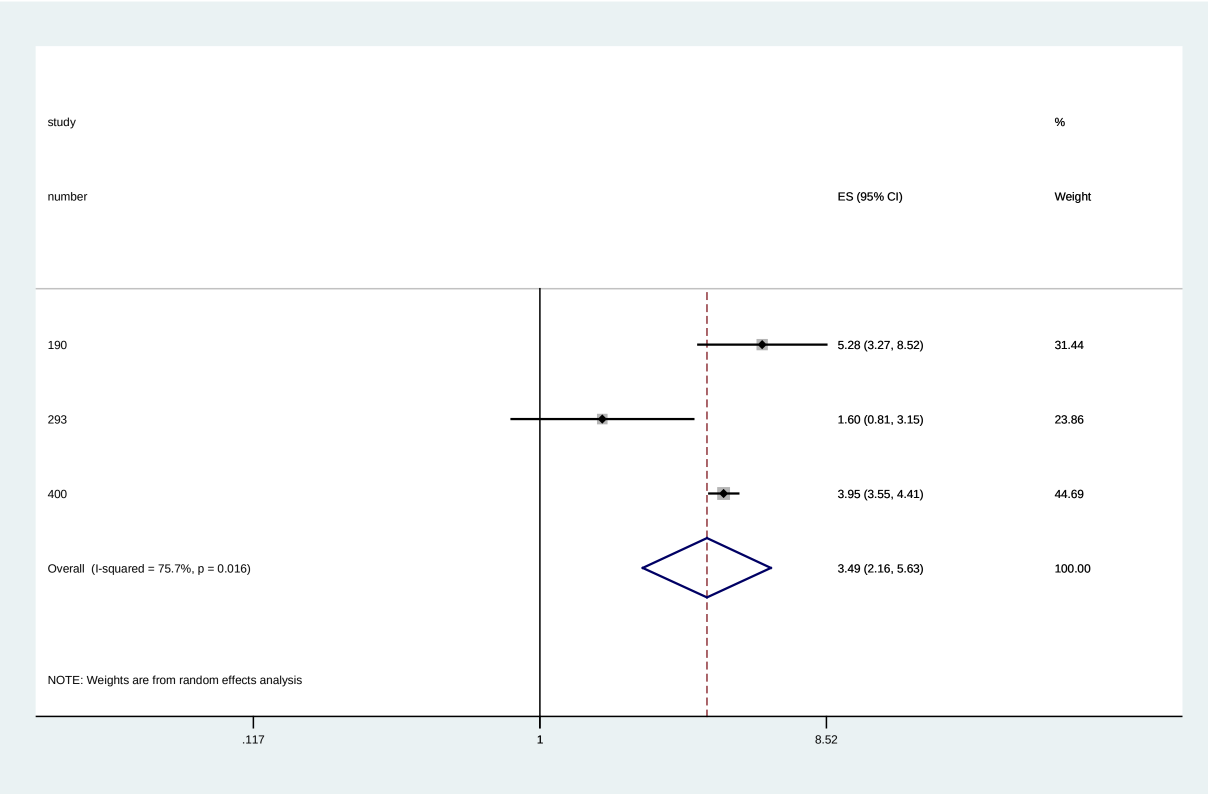

```
Test of H0: no small-study effects          P = 0.998
```

9.5.25 Meta-analysis: code 41607

Exposure	Outcome	Recidivism	Population
Prior criminality	Criminality	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
190	5.280	3.270	8.520	31.44
293	1.596	0.809	3.151	23.86
400	3.950	3.550	4.410	44.69
D+L pooled ES	3.486	2.156	5.635	100.00

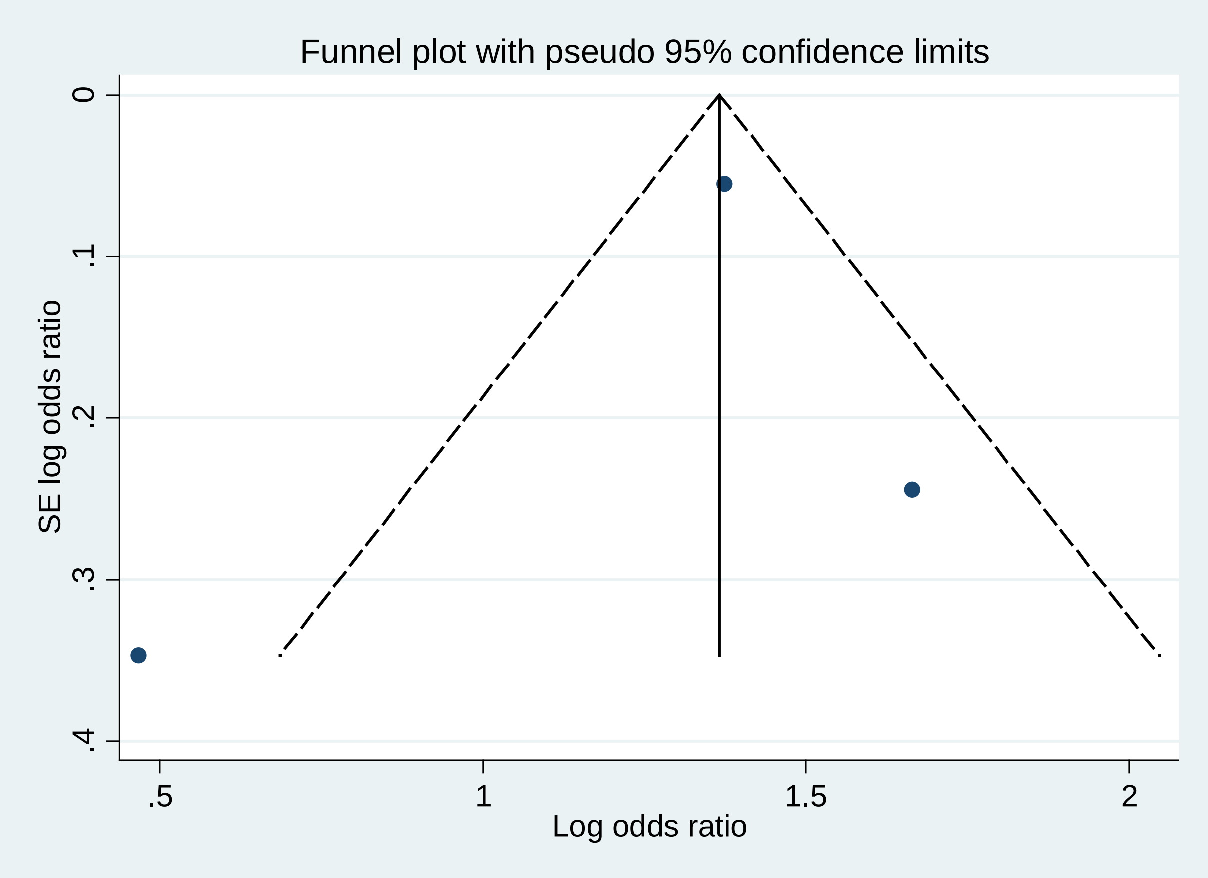
Test of ES=1 : z= 5.10 p = 0.000



Heterogeneity chi-squared = 8.22 (d.f. = 2) p = 0.016
I-squared (variation in ES attributable to heterogeneity) = 75.7%
Estimate of between-study variance Tau-squared = 0.1313

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.74416008	.77161018	3



Test of H0: no small-study effects   P = 0.745

9.5.26 Meta-analysis: code 41901

Exposure	Outcome	Recidivism	Population
Prior criminality	Sex crime	Yes	Sex offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
     1.98               .          .


Meta-analysis of Bonferroni-corrected p-values
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.506        .69357167    3
--------------------------------------------------------------
```

9.5.27 Meta-analysis: code 41906

Exposure	Outcome	Recidivism	Population
Prior criminality	Sex crime	Yes	non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s: None

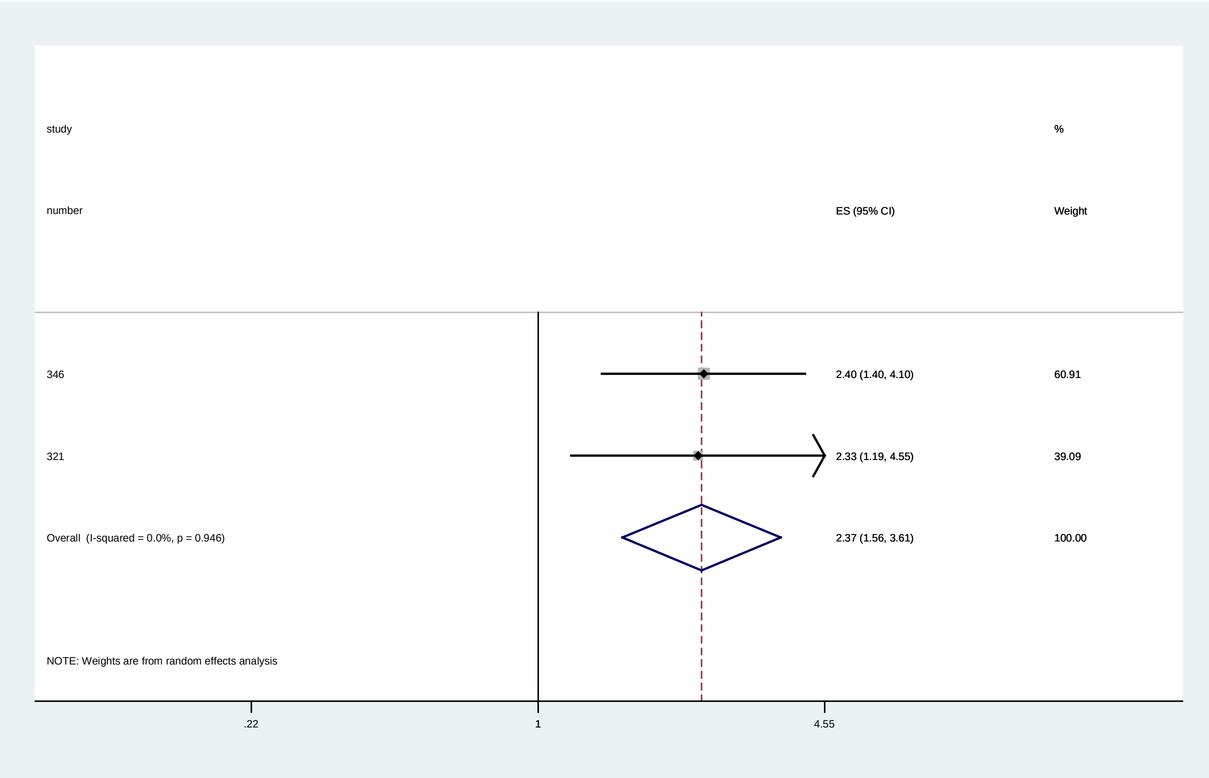
Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.05143931	.52051227	2

9.5.28 Meta-analysis: code 70101

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Violent crime	Yes	Sex offenders

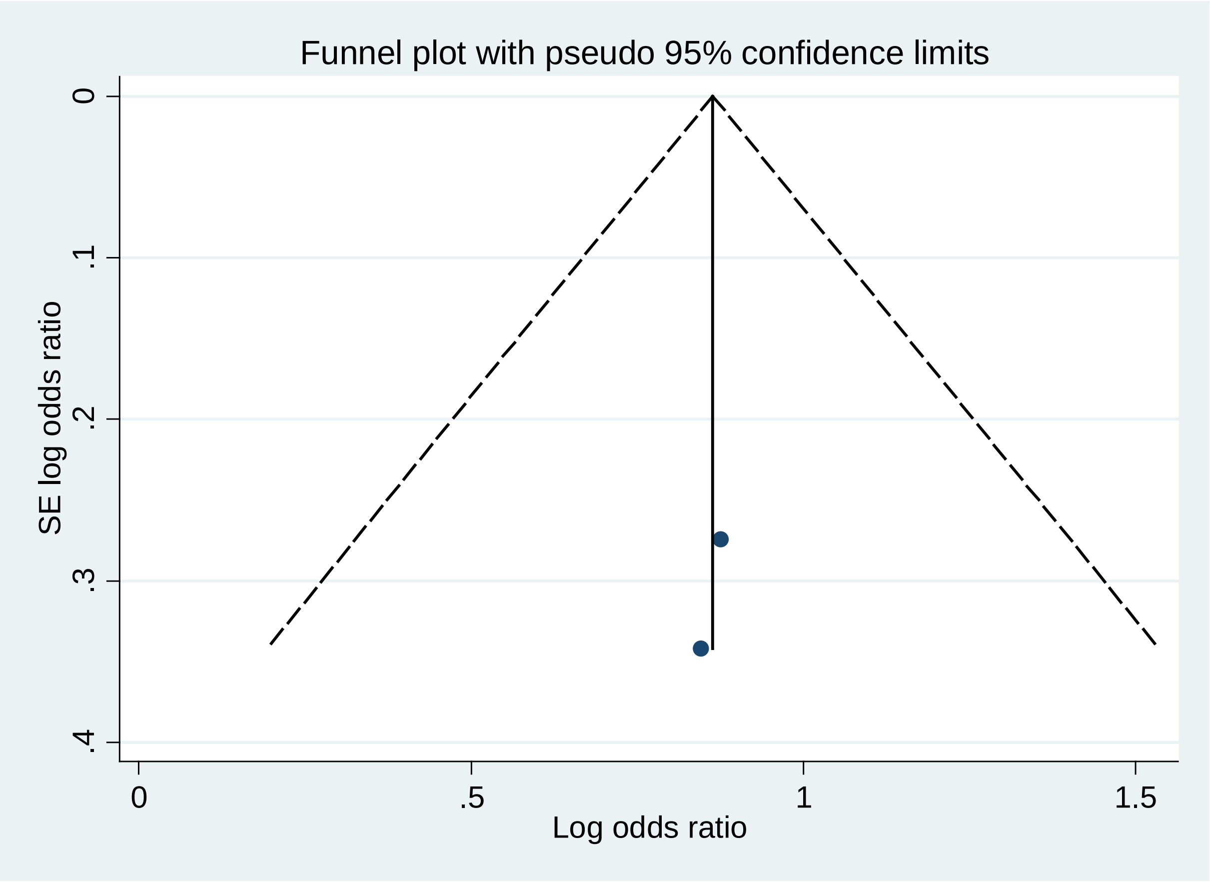
```
            Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
346                  |  2.400       1.400     4.100         60.91
321                  |  2.330       1.190     4.550         39.09
---------------------+---------------------------------------------------
D+L pooled ES        |  2.372       1.560     3.608        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   4.04 p = 0.000
```




```
Heterogeneity chi-squared =   0.00 (d.f. = 1) p = 0.946
I-squared (variation in ES attributable to heterogeneity) =   0.0%
Estimate of between-study variance Tau-squared =  0.0000

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.011       .84399179    3
--------------------------------------------------------------
```



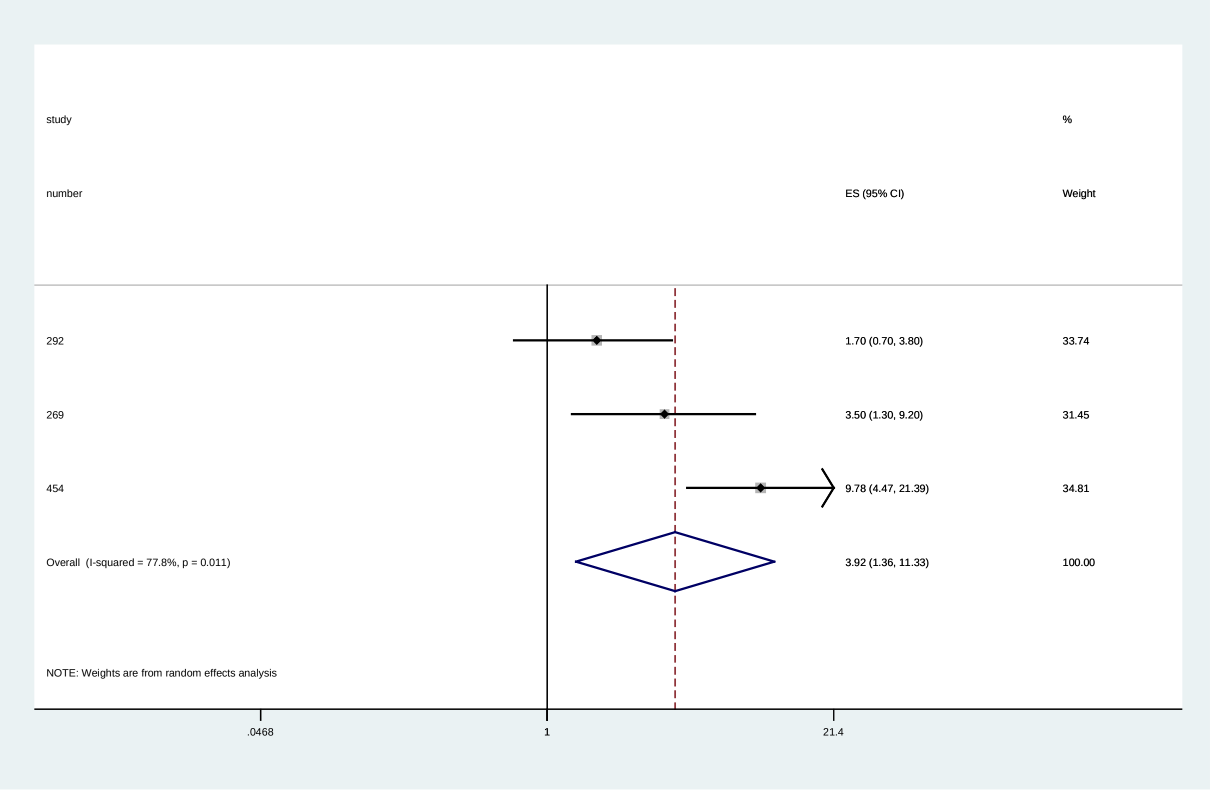
Test of H0: no small-study effects P = .

9.5.29 Meta-analysis: code 70102

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
292	1.700	0.700	3.800	33.74
269	3.500	1.300	9.200	31.45
454	9.780	4.470	21.390	34.81
D+L pooled ES	3.923	1.358	11.329	100.00

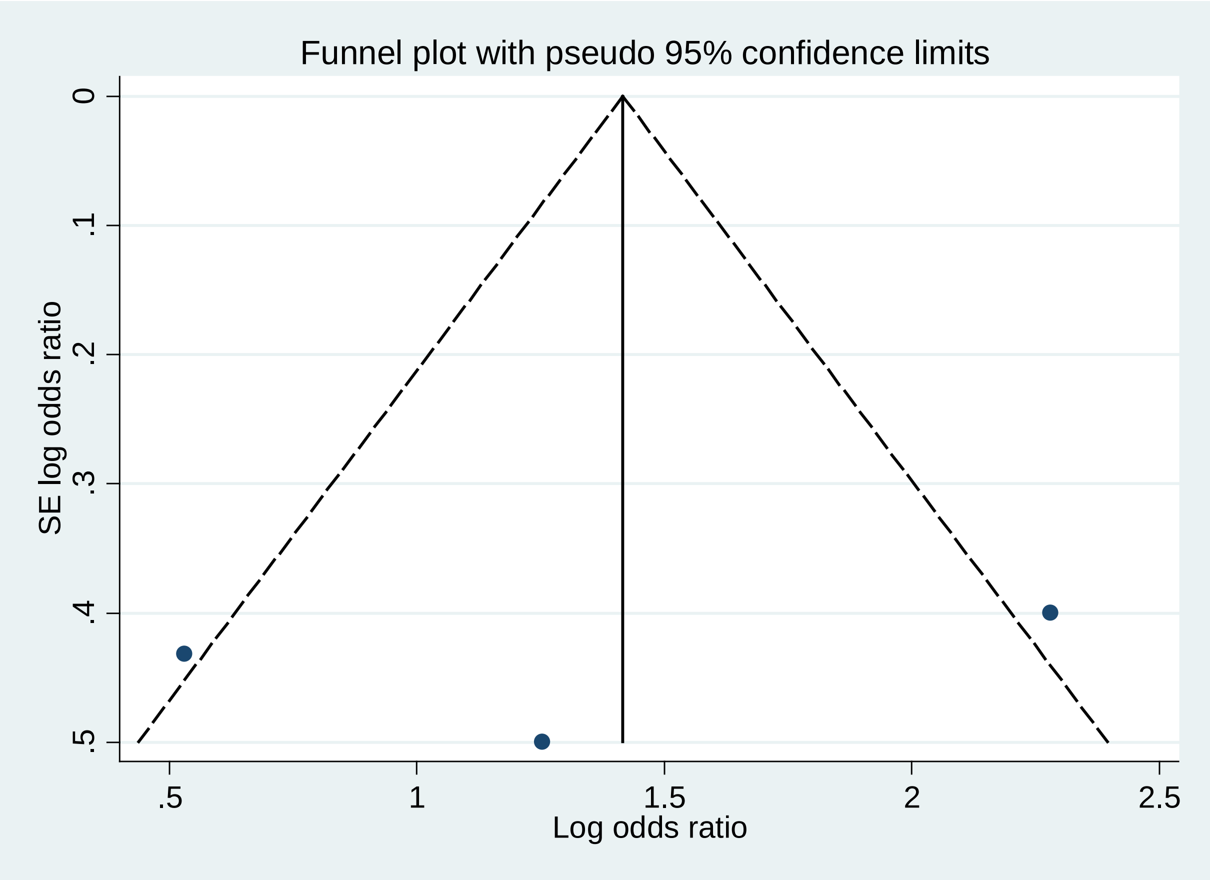
Test of ES=1 : z= 2.53 p = 0.012



Heterogeneity chi-squared = 9.00 (d.f. = 2) p = 0.011
I-squared (variation in ES attributable to heterogeneity) = 77.8%
Estimate of between-study variance Tau-squared = 0.6816

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.490e-08	.50000001	3



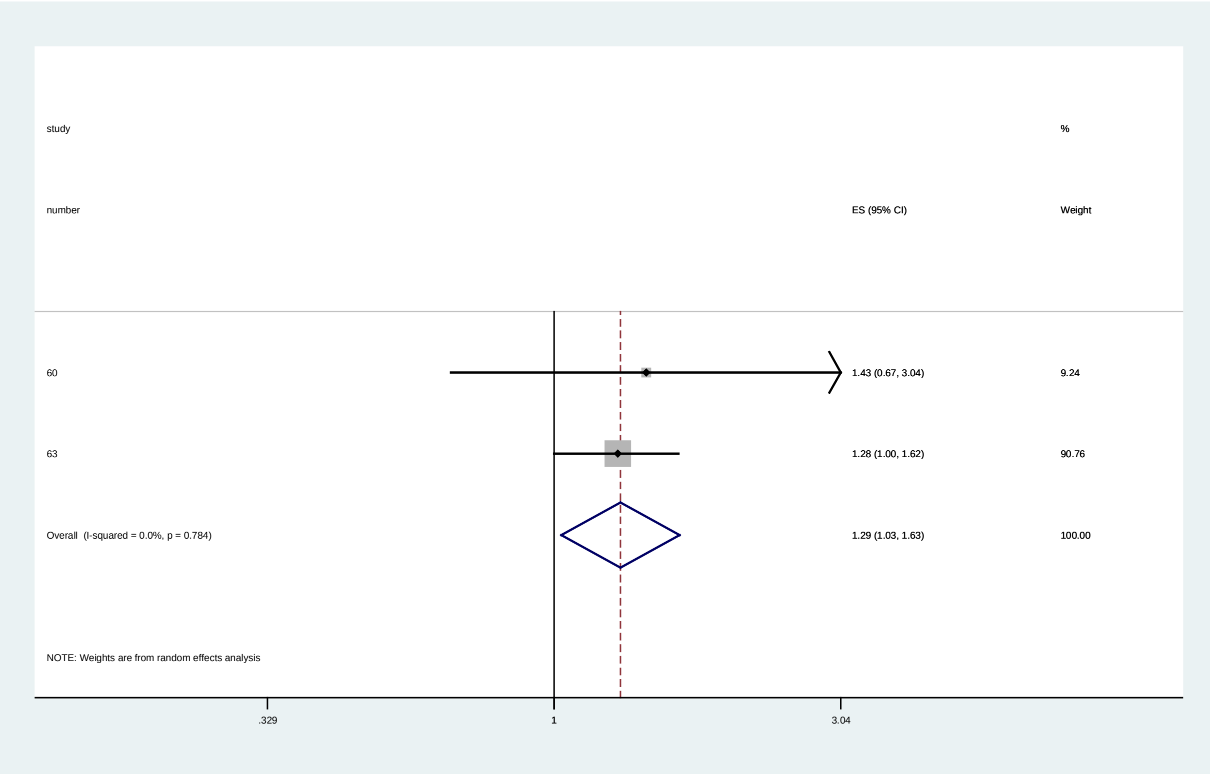
Test of H0: no small-study effects   P = 0.692

9.5.30 Meta-analysis: code 70104

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Violent crime	Yes	Incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
60	1.430	0.670	3.040	9.24
63	1.280	1.000	1.620	90.76
D+L pooled ES	1.293	1.028	1.627	100.00

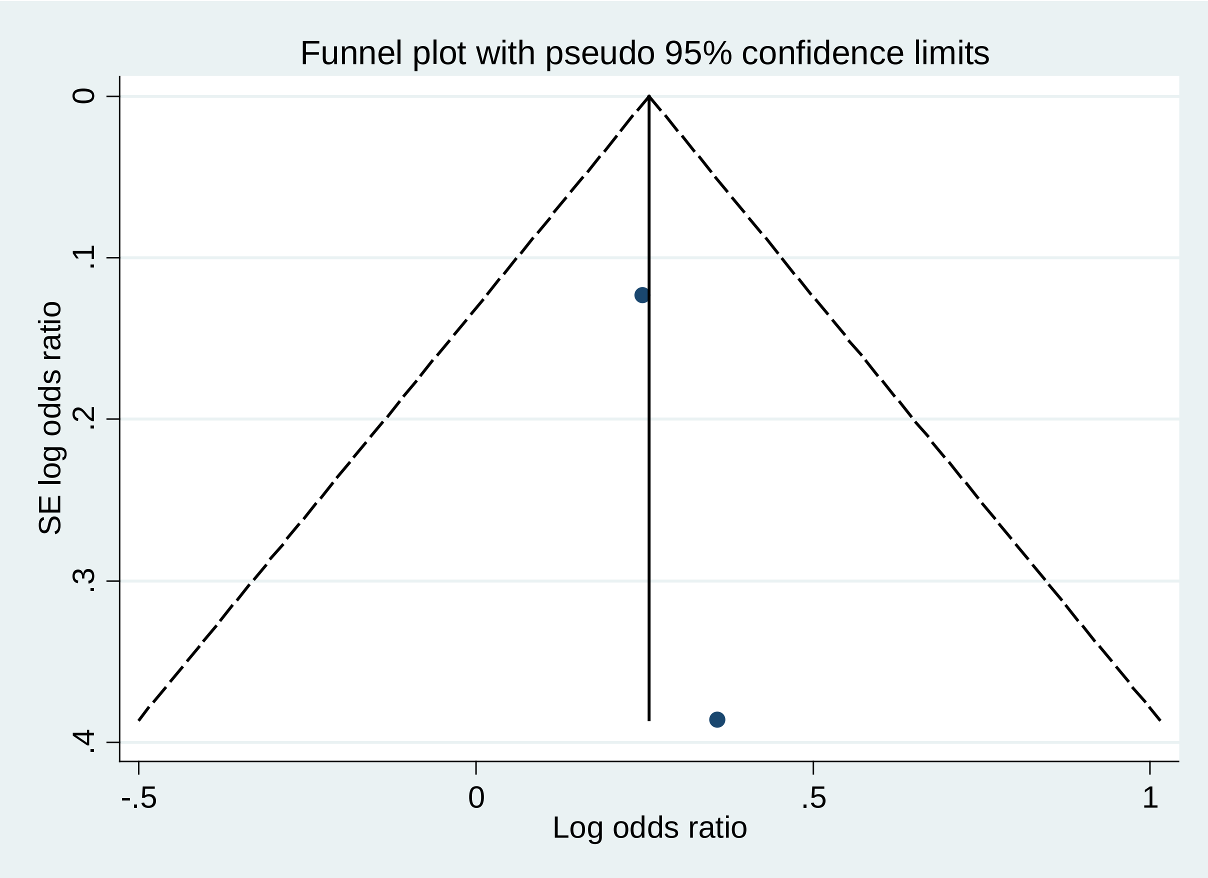
Test of ES=1 : z= 2.19 p = 0.028



Heterogeneity chi-squared = 0.07 (d.f. = 1) p = 0.784
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.7733931	.9619182	4



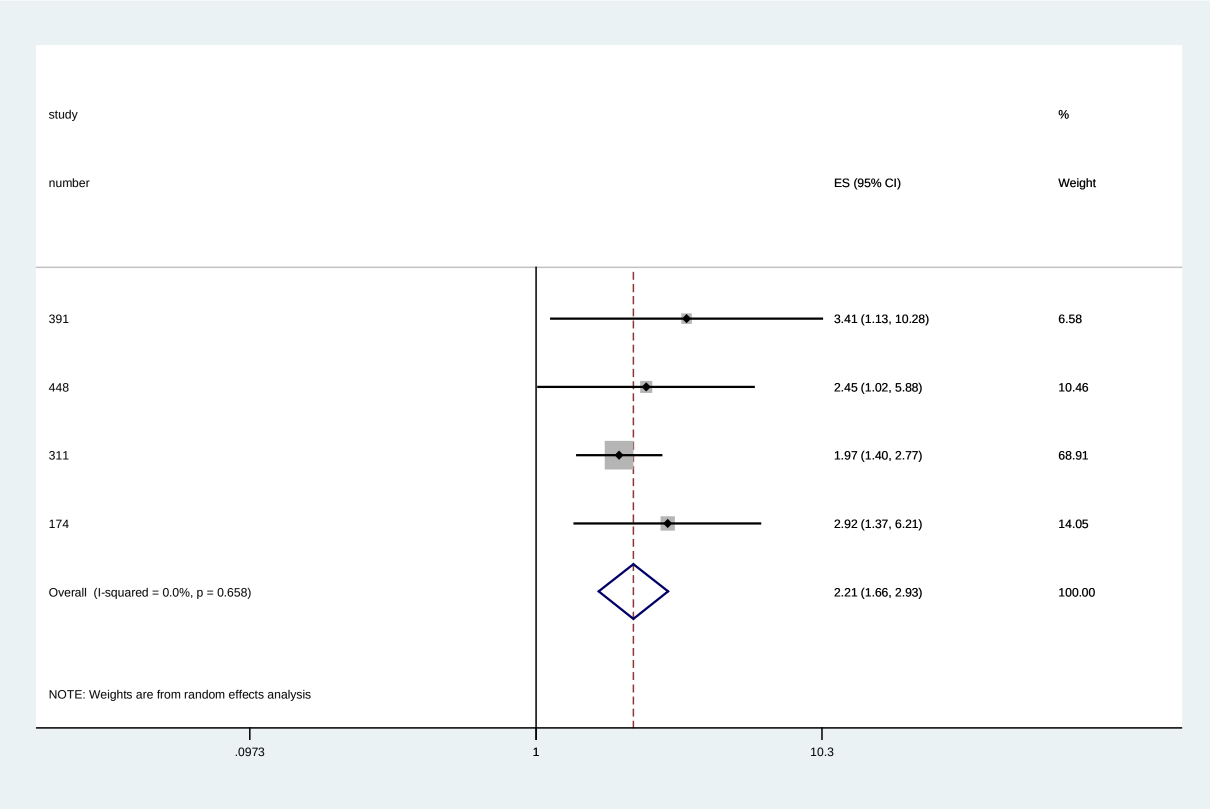
Test of H0: no small-study effects   P =   .

9.5.31 Meta-analysis: code 70106

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Violent crime	Yes	Non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
391	3.410	1.130	10.280	6.58
448	2.450	1.020	5.880	10.46
311	1.970	1.400	2.770	68.91
174	2.920	1.370	6.210	14.05
D+L pooled ES	2.208	1.664	2.931	100.00

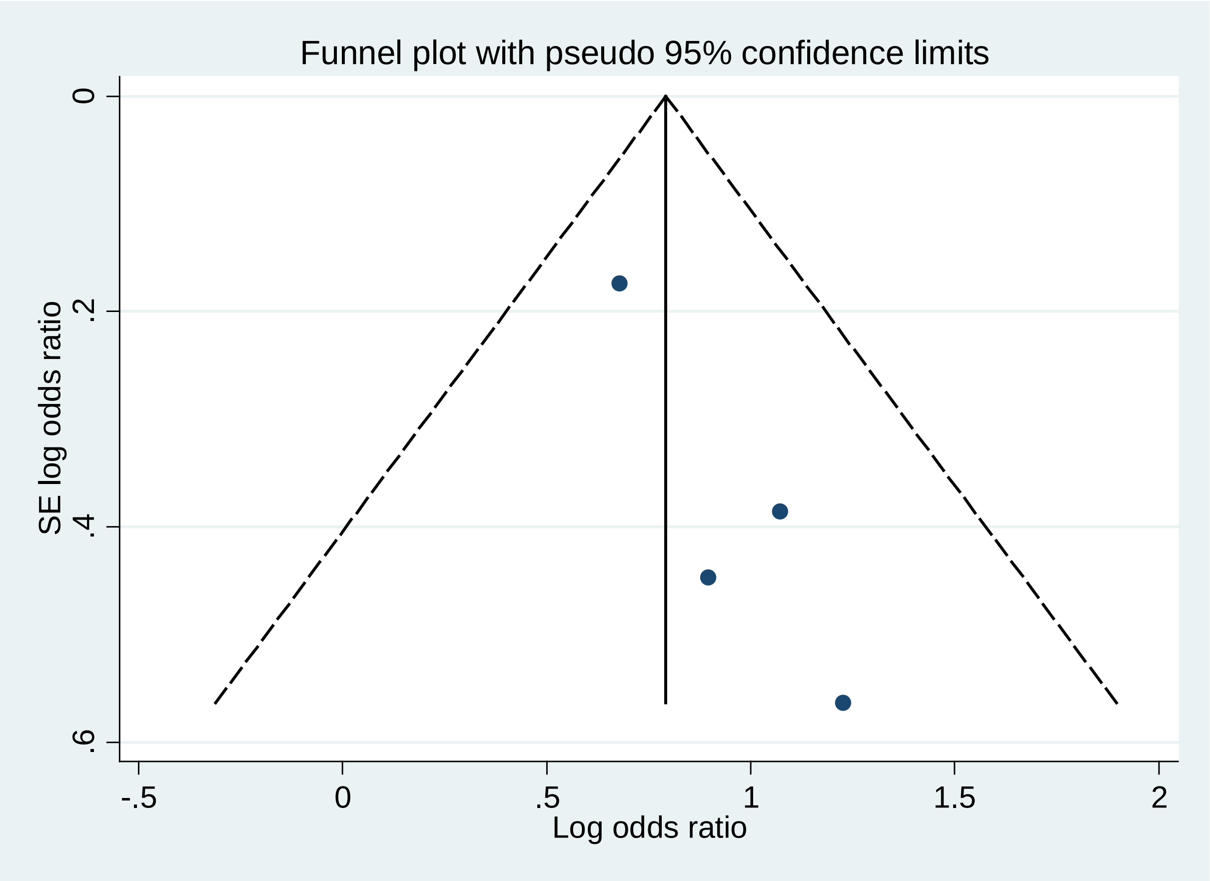
Test of ES=1 : z= 5.48 p = 0.000



Heterogeneity chi-squared = 1.60 (d.f. = 3) p = 0.658
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.23787867	.5940124	5



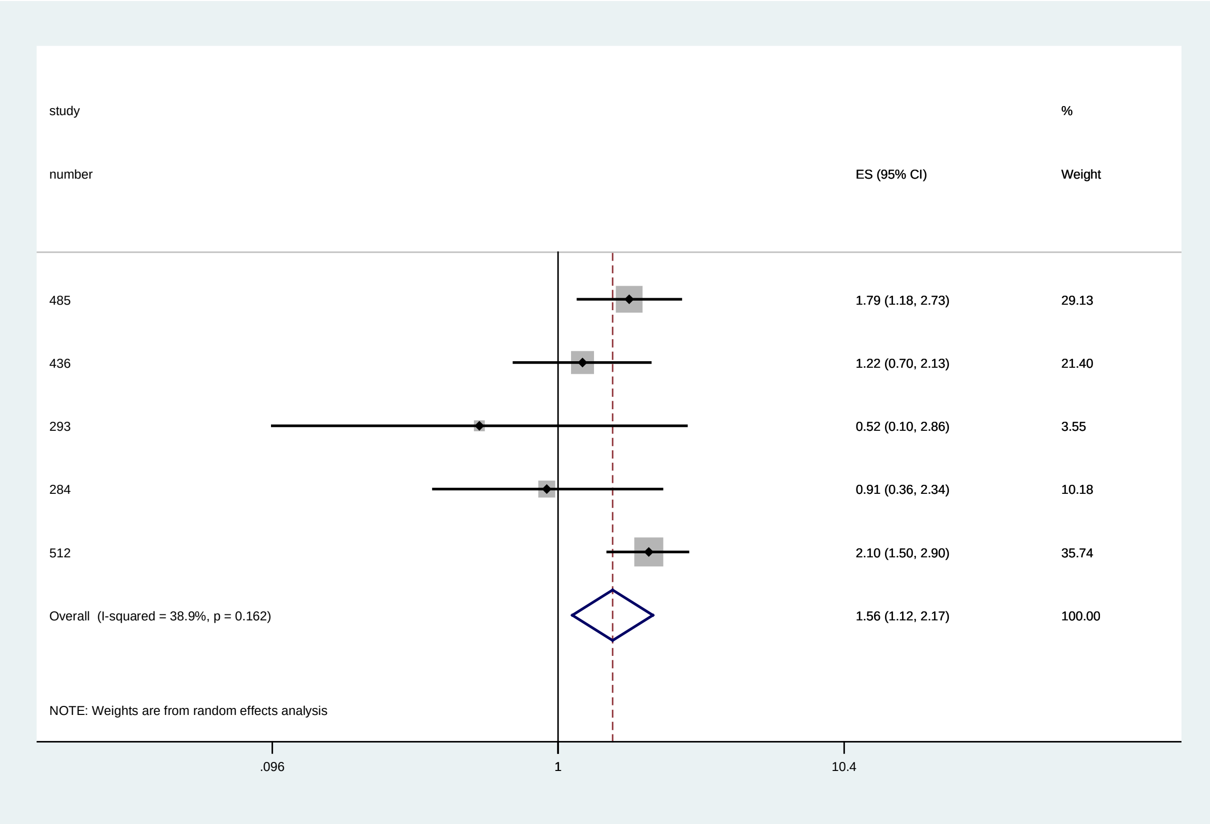

```
Test of H0: no small-study effects          P = 0.062
```

9.5.32 Meta-analysis: code 70107

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf. Interval]		% Weight
485	1.793	1.176	2.734	29.13
436	1.220	0.695	2.130	21.40
293	0.524	0.096	2.859	3.55
284	0.910	0.360	2.340	10.18
512	2.100	1.500	2.900	35.74
D+L pooled ES	1.561	1.122	2.172	100.00

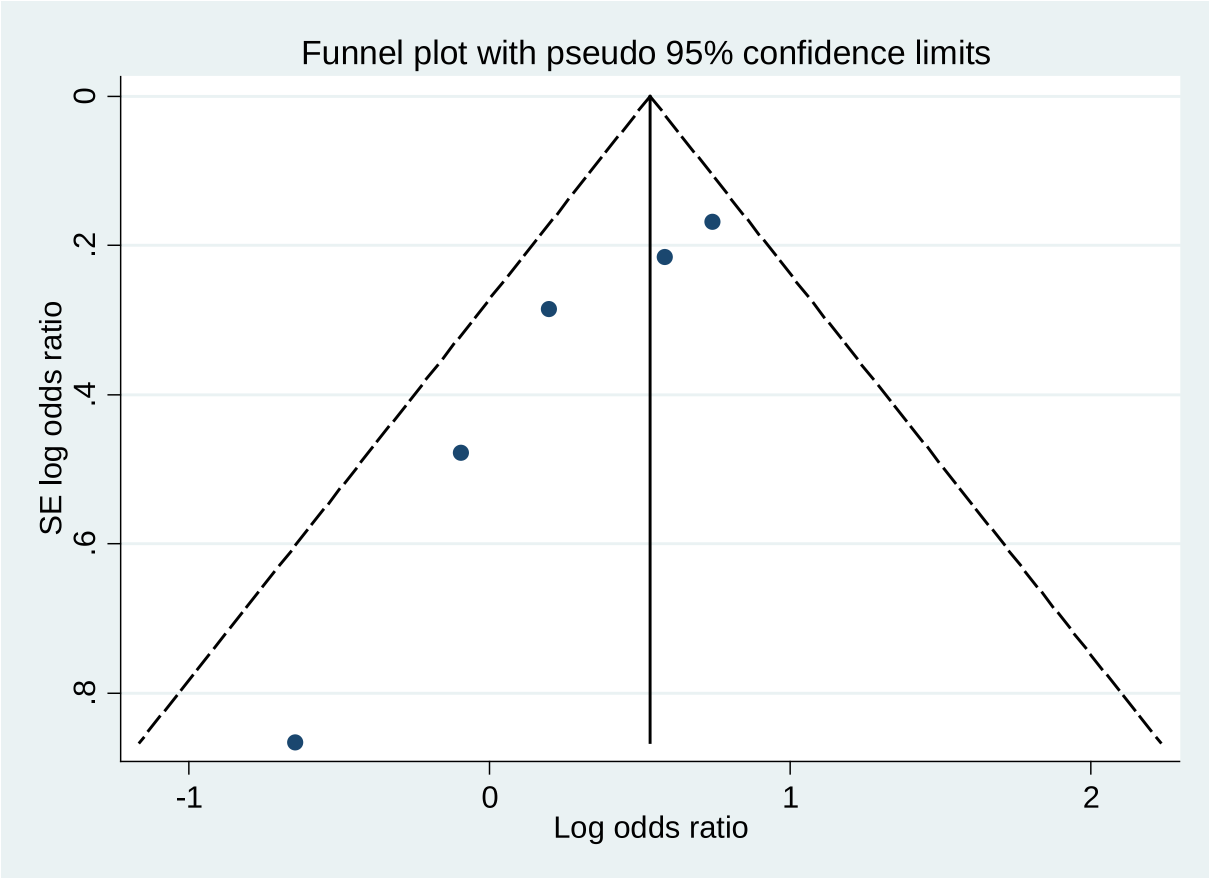
Test of ES=1 : z= 2.64 p = 0.008



Heterogeneity chi-squared = 6.55 (d.f. = 4) p = 0.162
I-squared (variation in ES attributable to heterogeneity) = 38.9%
Estimate of between-study variance Tau-squared = 0.0513

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.70466926	.75949196	7



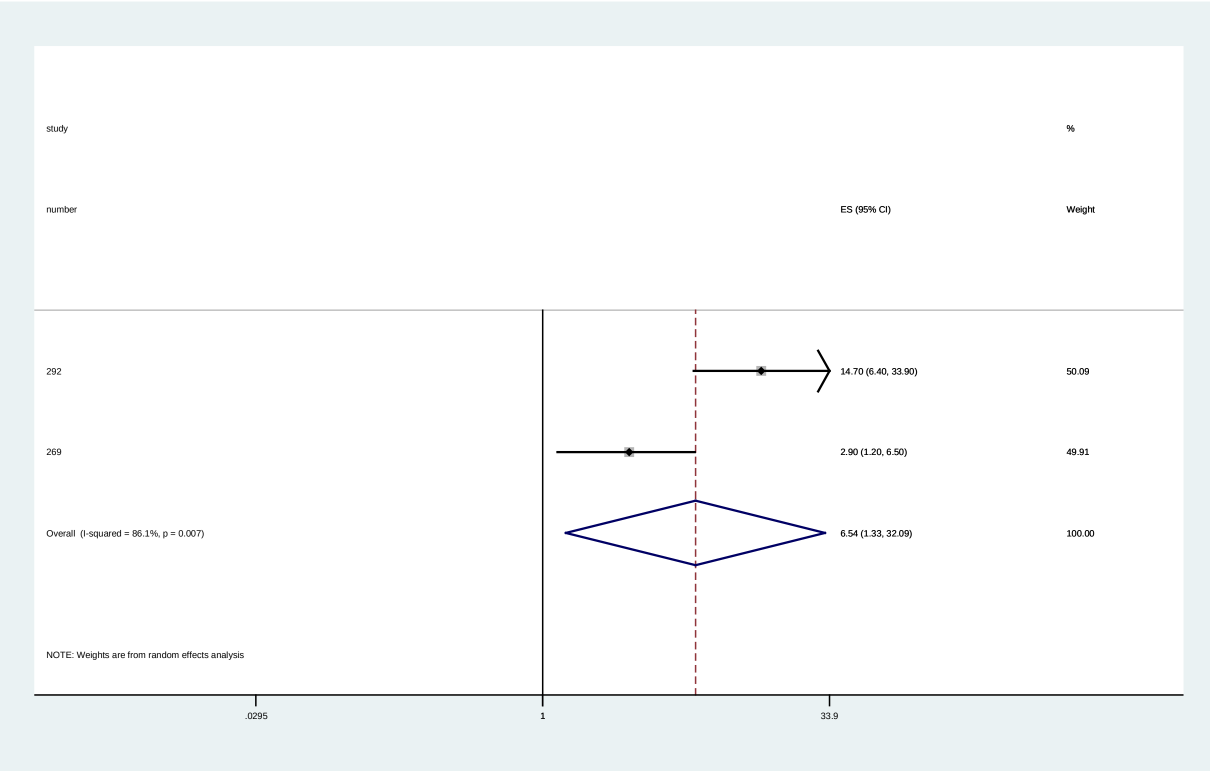
Test of H0: no small-study effects P = 0.019

9.5.33 Meta-analysis: code 70202

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Property crime	No	General population

Study	ES	[95% Conf. Interval]		% Weight
292	14.700	6.400	33.900	50.09
269	2.900	1.200	6.500	49.91
D+L pooled ES	6.539	1.333	32.086	100.00

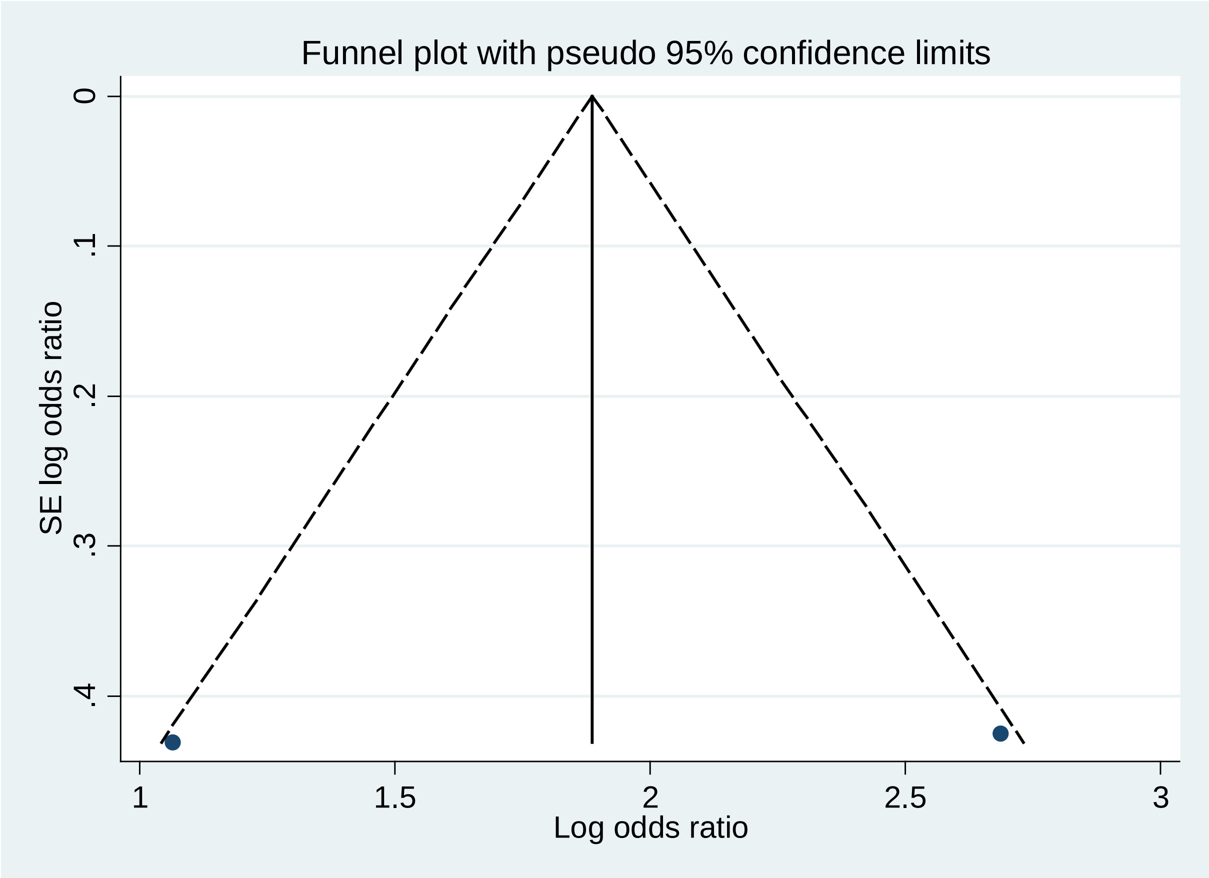
Test of ES=1 : z= 2.31 p = 0.021



Heterogeneity chi-squared = 7.19 (d.f. = 1) p = 0.007
I-squared (variation in ES attributable to heterogeneity) = 86.1%
Estimate of between-study variance Tau-squared = 1.1340

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.36984772	.35574798	2




```
Test of H0: no small-study effects          P =      .
```

9.5.34 Meta-analysis: code 70207

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Property crime	Yes	Incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.59	.	.
1.86	.	.
1.11	.	.
.76	.	.
1.8	1.27	2.34

Meta-analysis of Bonferroni-corrected p-values

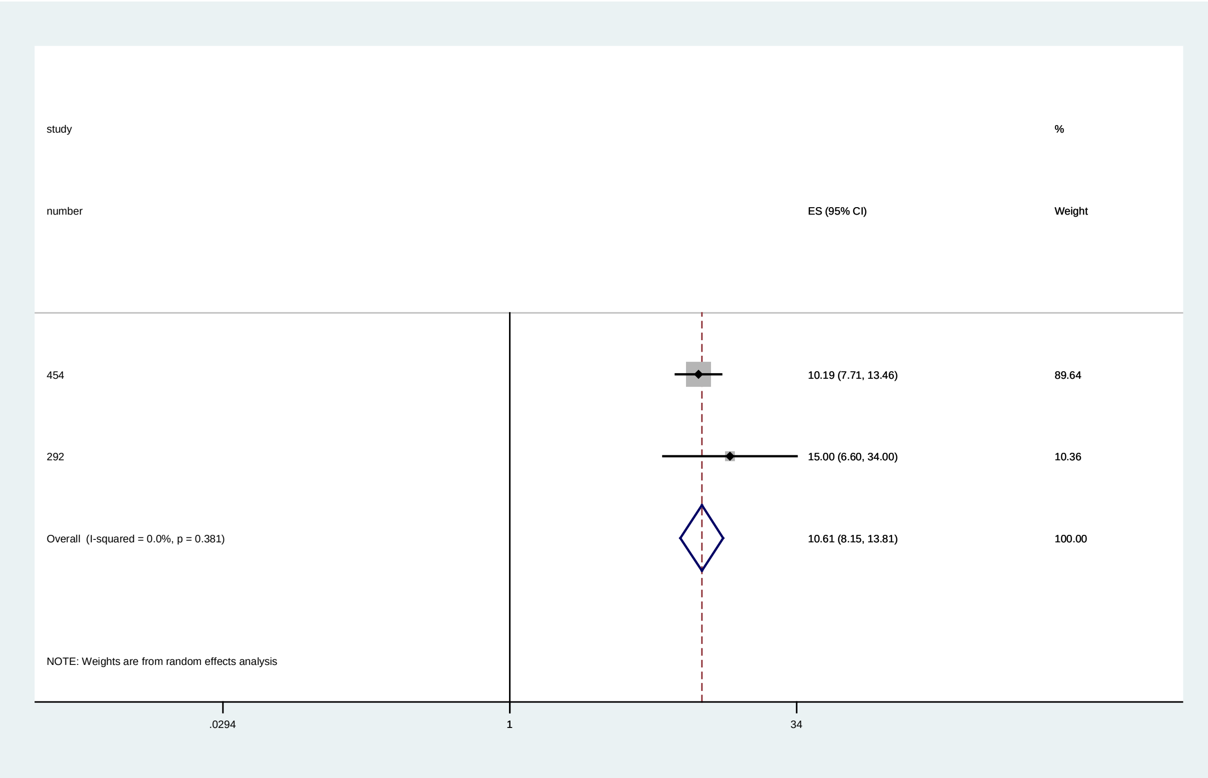
Method	Z	p_value	studies
Edgington, Normal	2.1433035	.01604437	2

9.5.35 Meta-analysis: code 70302

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Drugs-related crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
454	10.190	7.710	13.460	89.64
292	15.000	6.600	34.000	10.36
D+L pooled ES	10.606	8.147	13.808	100.00

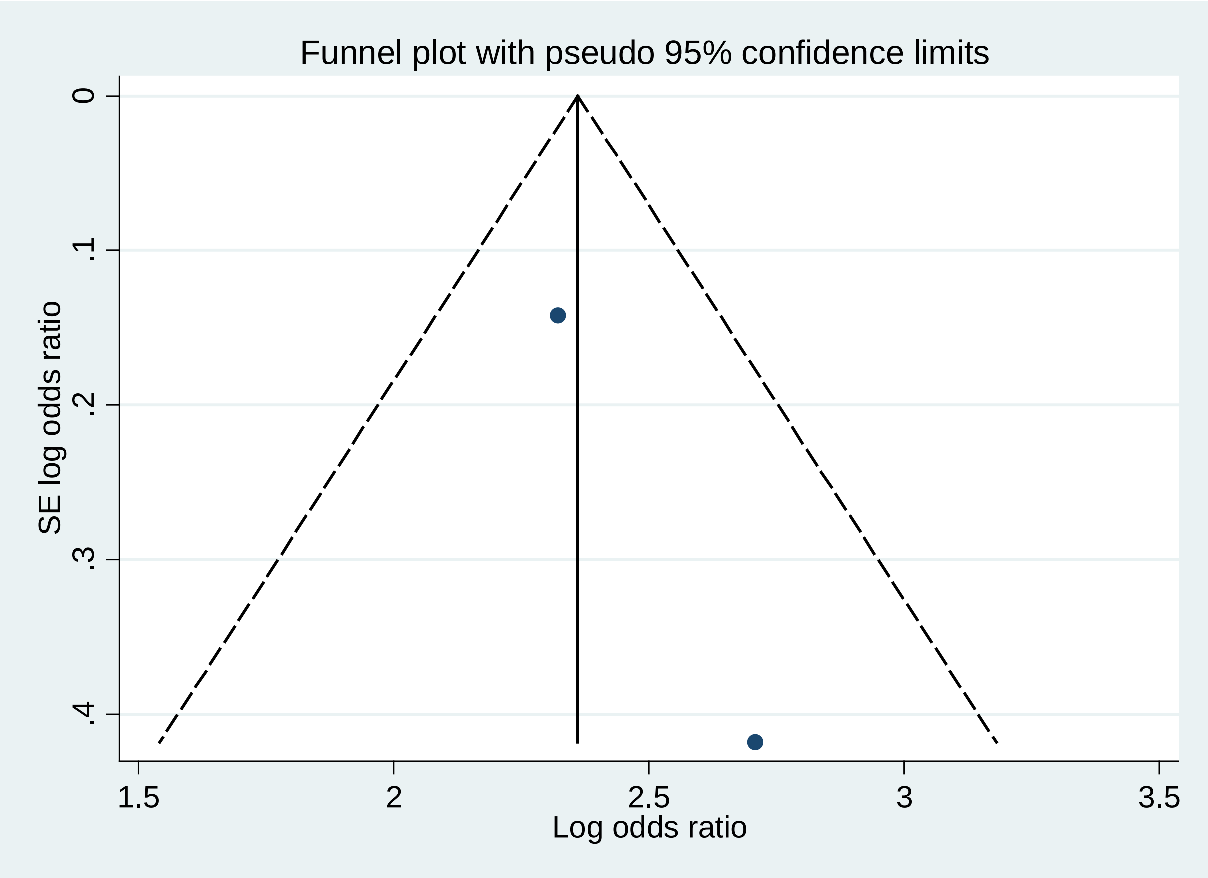
Test of ES=1 : z= 17.55 p = 0.000



Heterogeneity chi-squared = 0.77 (d.f. = 1) p = 0.381
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.1286066	.01664341	2



Test of H0: no small-study effects P = .

9.5.36 Meta-analysis: code 70307

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Drug-related crime	No	Psychiatric patients

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:

-------------------------------------

Relative risk  95%CI low   95% CI high

-------------------------------------

     1.86          .          .

     1.12          .          .

     1.02          .          .

     1.58          .          .



Meta-analysis of Bonferroni-corrected p-values
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.07593421   .53026428    2
--------------------------------------------------------------
```

9.5.37 Meta-analysis: code 71601

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Criminality	Yes	Sex offender

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI’s:
-------------------------------------
Relative risk  95%CI low   95% CI high
-------------------------------------
 1.05            .62          1.76


Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -2.4005       .99181365    2
--------------------------------------------------------------
```

9.5.38 Meta-analysis: code 71604

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Criminality	Yes	incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's: None

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.58787756   .72169276    2
--------------------------------------------------------------
```

9.5.39 Meta-analysis: code 71605

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Criminality	Yes	Non-incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.22	.	.
1.02	1	1.03

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.36600001	.64281747	3

9.5.40 Meta-analysis: code 71606

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Criminality	Yes	Non-incarcerated offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------
Relative risk  95%CI low   95% CI high
-------------------------------------
  1.255          .           .
  2.267          .           .
  4.04          1.51      10.86



Meta-analysis of Bonferroni-corrected p-values

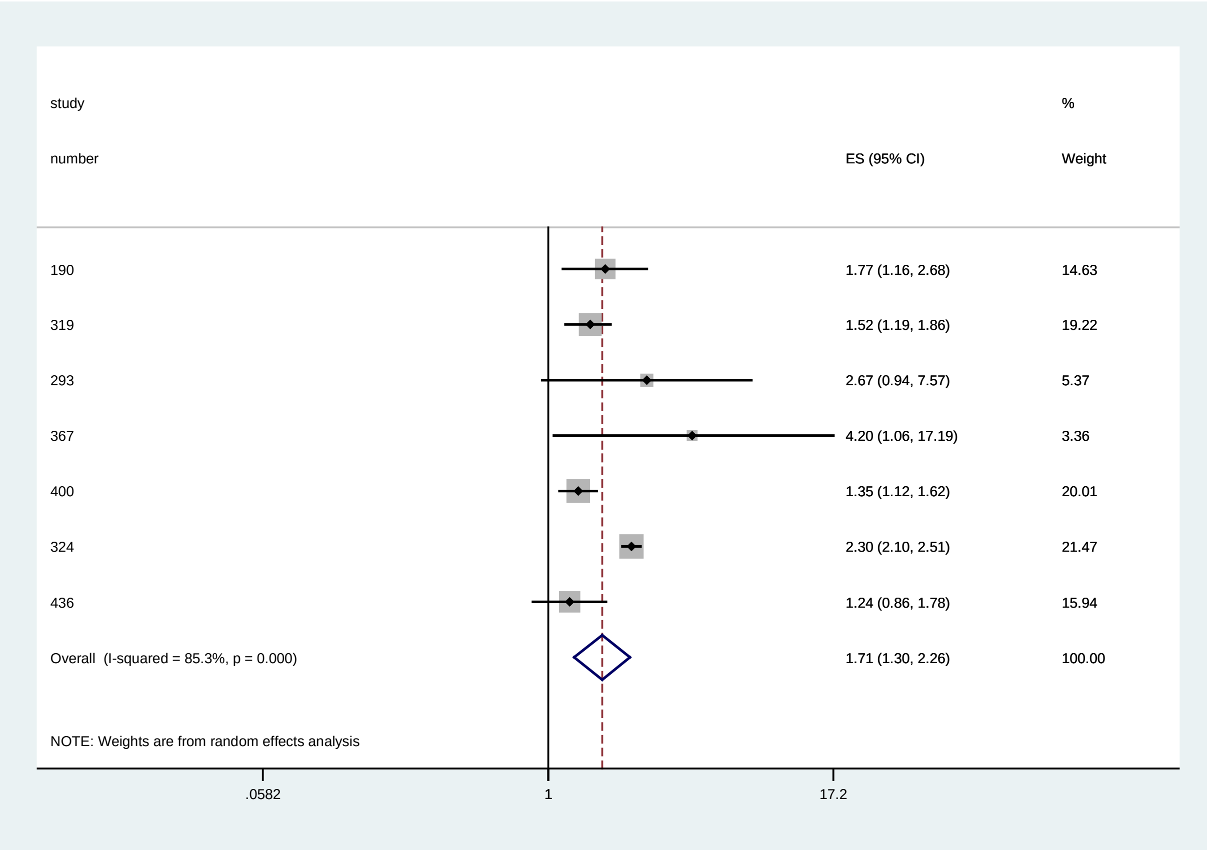
--------------------------------------------------------------
 Method               |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal    |   1.596        .0552444     3
--------------------------------------------------------------
```

9.5.41 Meta-analysis: code 71607

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Criminality	No/Yes	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
190	1.770	1.160	2.680	14.63
319	1.520	1.190	1.860	19.22
293	2.675	0.945	7.573	5.37
367	4.200	1.060	17.190	3.36
400	1.350	1.120	1.620	20.01
324	2.300	2.100	2.510	21.47
436	1.240	0.860	1.780	15.94
D+L pooled ES	1.713	1.298	2.260	100.00

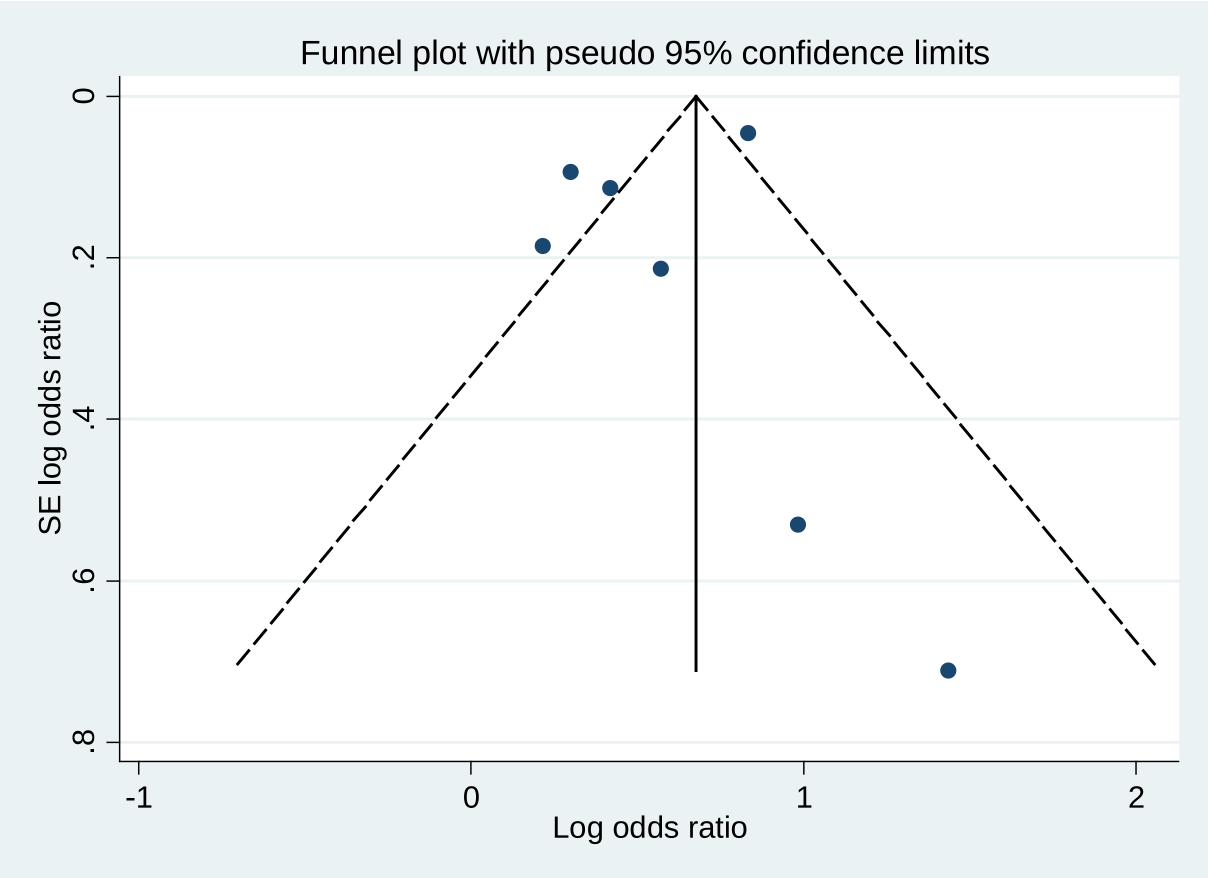
Test of ES=1 : z= 3.80 p = 0.000



Heterogeneity chi-squared = 40.82 (d.f. = 6) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 85.3%
Estimate of between-study variance Tau-squared = 0.0911

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.0817269	.46743194	7



Test of H0: no small-study effects P = 0.396

9.5.42 Meta-analysis: code 71608

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Criminality	Yes	Incarcerated offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------
Relative risk  95%CI low   95% CI high
-------------------------------------
     1.84       1.52       2.23
     0.92          .          .



Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   .02395599    .49044386    2
--------------------------------------------------------------
```

9.5.43 Meta-analysis: code 71704

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Severe recidivism	Yes	Incarcerated juvenile offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.51	1.04	6.09

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.00734849	.5029316	2

9.5.44 Meta-analysis: code 71901

Exposure	Outcome	Recidivism	Population
Drugs/alcohol	Violent crime	Yes	Incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s:

Relative risk	95%CI low	95% CI high
2.3	1.2	4.5

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.39191839	.65244074	2

9.5.45 Meta-analysis: code 81606

Exposure	Outcome	Recidivism	Population
Poor treatment engagement	Criminality	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

```
Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
     1.20              .          .
     1.53              .          .
```

```
Meta-analysis of Bonferroni-corrected p-values

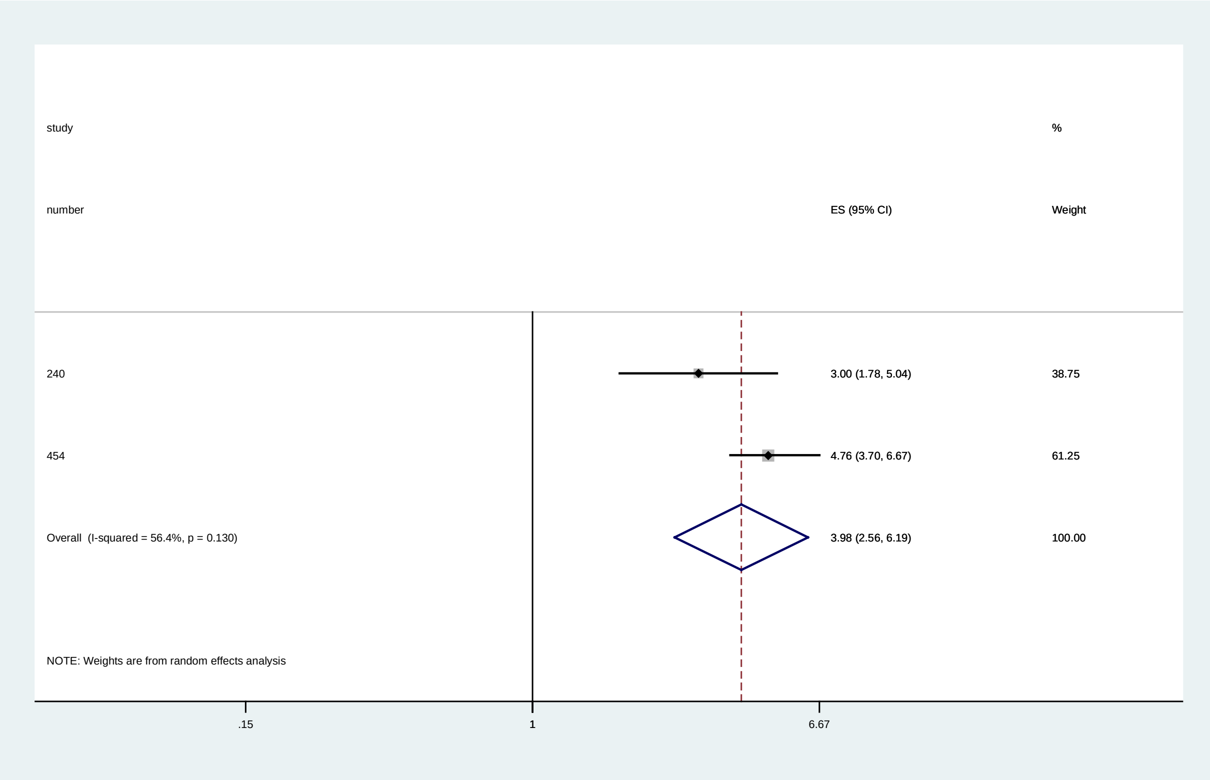
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   .02131054    .49149897    2
--------------------------------------------------------------
```

9.5.46 Meta-analysis: code 90102

Exposure	Outcome	Recidivism	Population
Male sex	Violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
240	3.000	1.780	5.040	38.75
454	4.762	3.704	6.667	61.25
D+L pooled ES	3.981	2.561	6.189	100.00

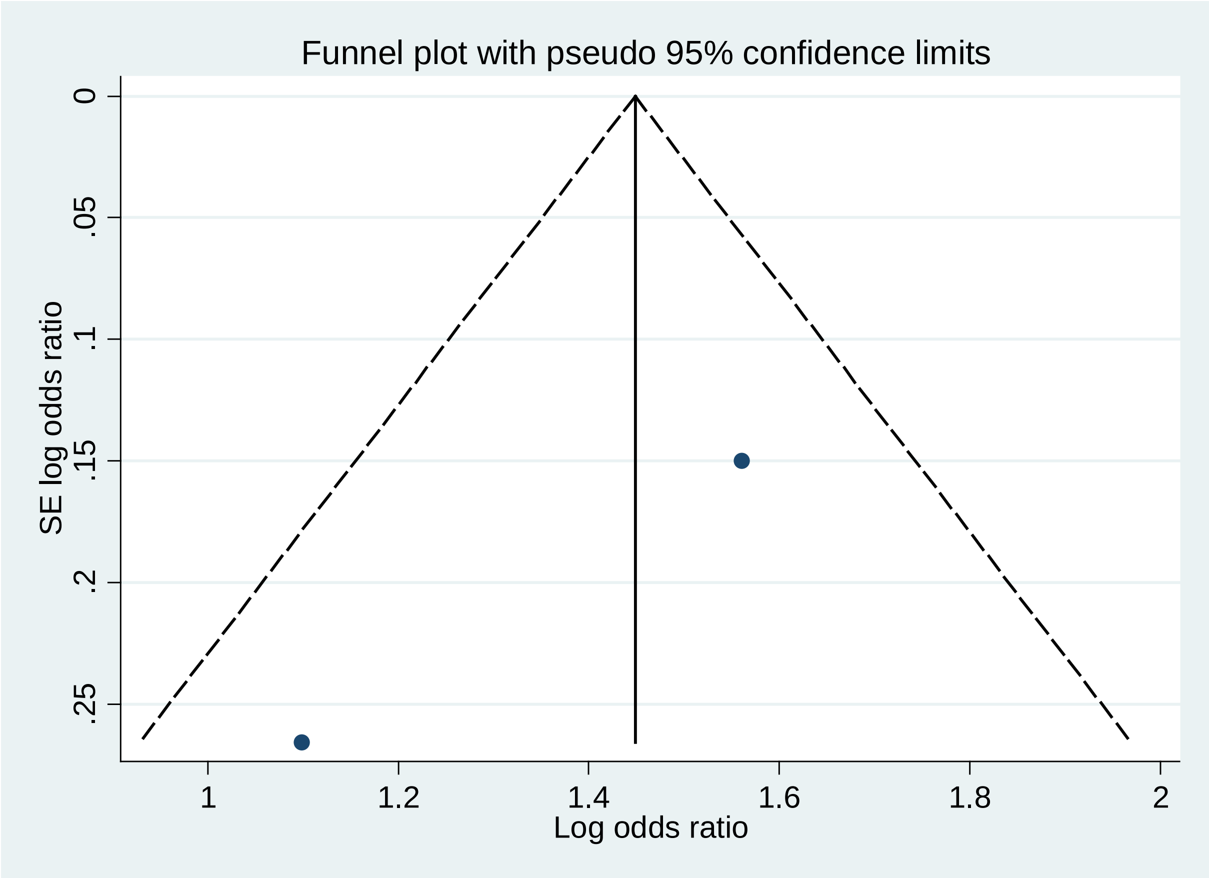
Test of ES=1 : z= 6.14 p = 0.000



Heterogeneity chi-squared = 2.30 (d.f. = 1) p = 0.130
I-squared (variation in ES attributable to heterogeneity) = 56.4%
Estimate of between-study variance Tau-squared = 0.0602

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.3472194	.0889548	2



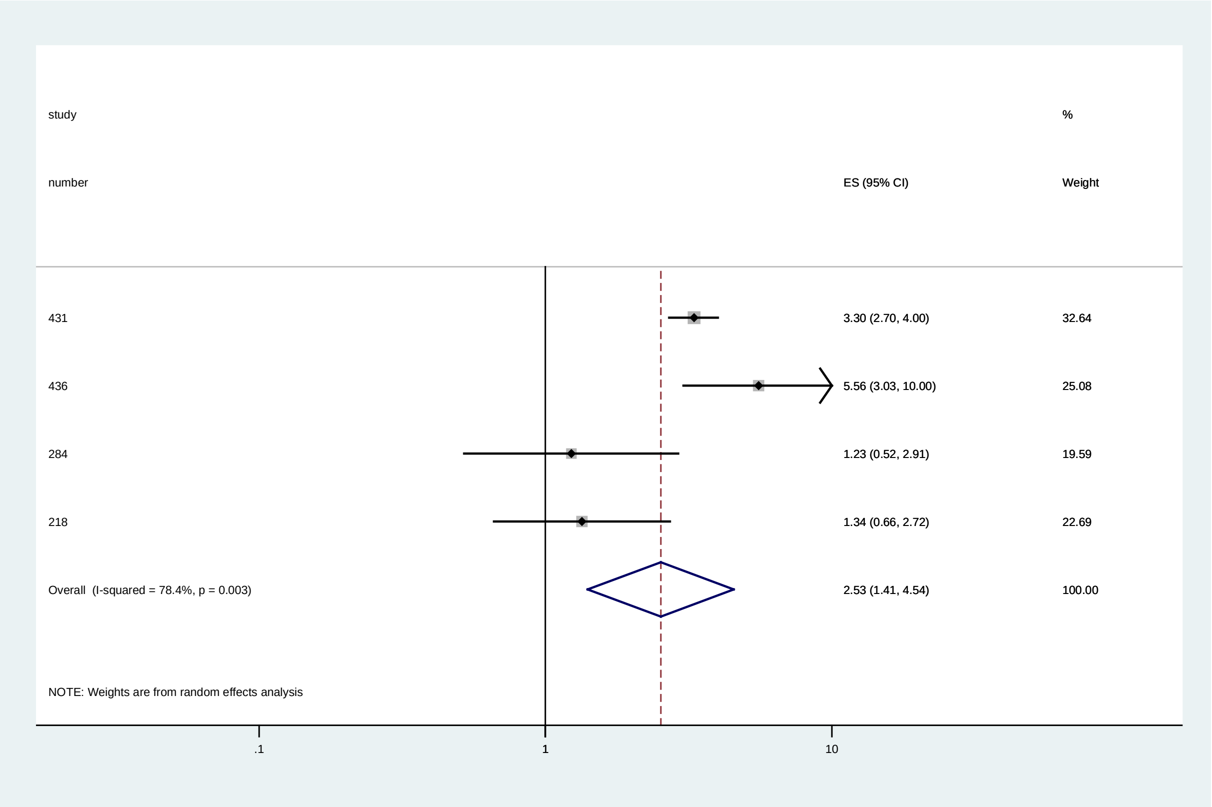

```
Test of H0: no small-study effects          P =     .
```

9.5.47 Meta-analysis: code 90107

Exposure	Outcome	Recidivism	Population
Sex	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
431	3.300	2.700	4.000	32.64
436	5.556	3.030	10.000	25.08
284	1.230	0.520	2.910	19.59
218	1.340	0.660	2.720	22.69
D+L pooled ES	2.526	1.405	4.543	100.00

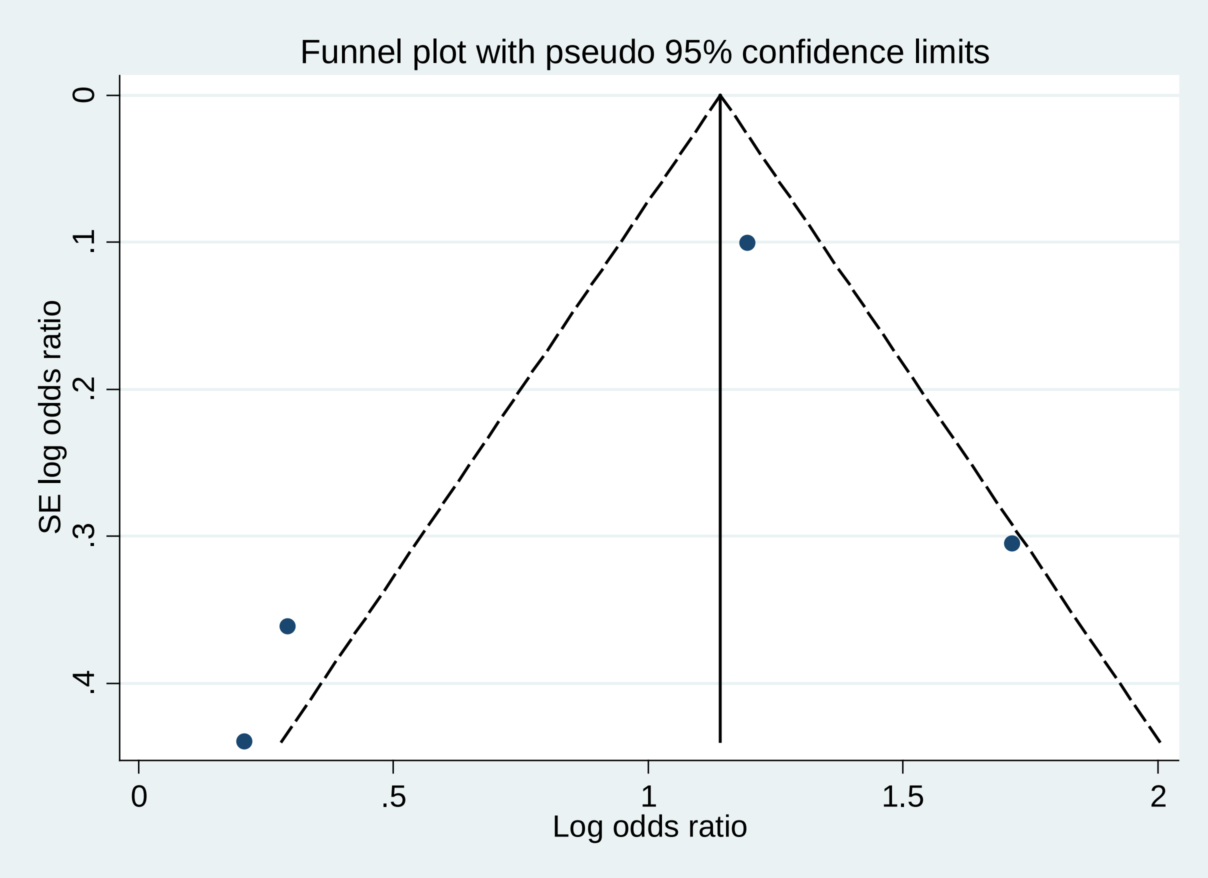
Test of ES=1 : z= 3.10 p = 0.002



Heterogeneity chi-squared = 13.86 (d.f. = 3) p = 0.003
I-squared (variation in ES attributable to heterogeneity) = 78.4%
Estimate of between-study variance Tau-squared = 0.2644

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.02036472	.50812379	6



Test of H0: no small-study effects P = 0.257

9.5.48 Meta-analysis: code 90207

Exposure	Outcome	Recidivism	Population
Sex	Property crime	No	Psychiatric patients

```
[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
1.89                .           .

2.96              1.58        5.57


Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   .73799998    .23025723    3
--------------------------------------------------------------
```

9.5.49 Meta-analysis: code 90307

Exposure	Outcome	Recidivism	Population
Sex	Drug-related crime	No	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.17		

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.07593421	.53026428	2

9.5.50 Meta-analysis: code 91606

Exposure	Outcome	Recidivism	Population
Sex	Criminality	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's: None

Meta-analysis of Bonferroni-corrected p-values

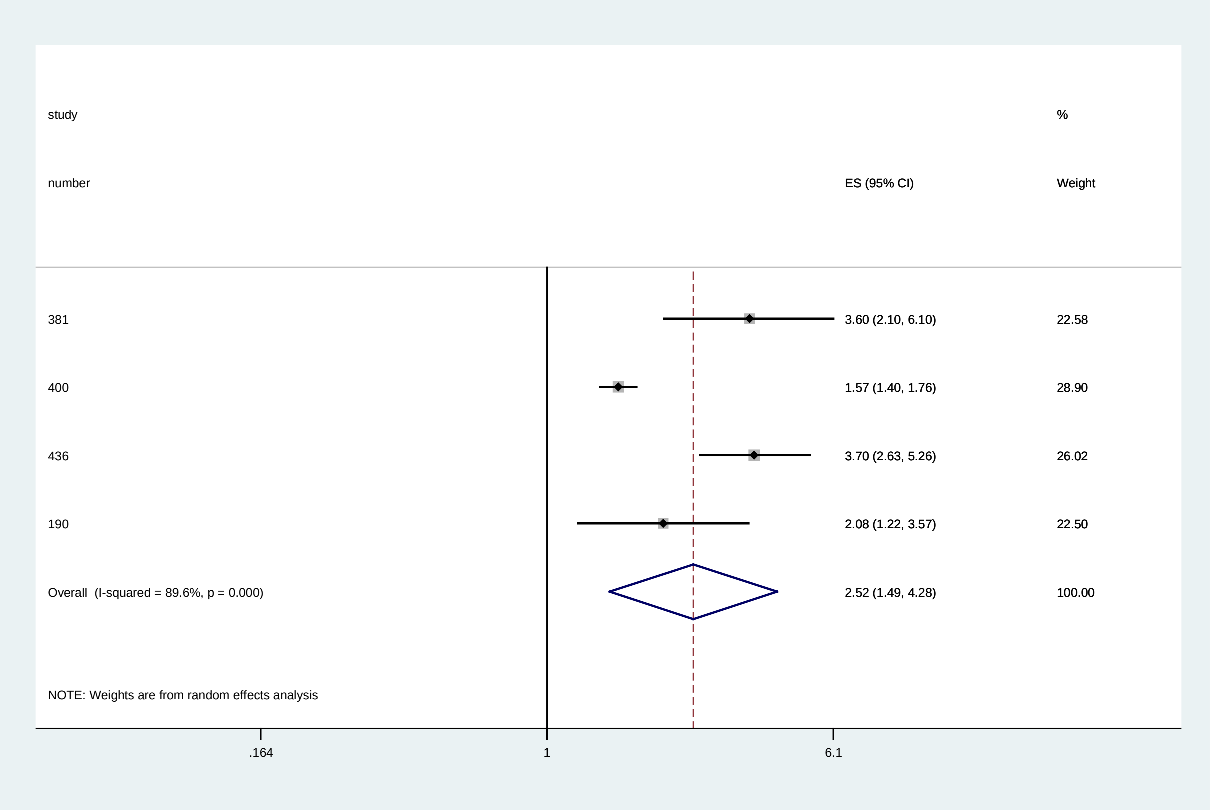
Method	Z	p_value	studies
Edgington, Normal	-.1714643	.56807065	2

9.5.51 Meta-analysis: code 91607

Exposure	Outcome	Recidivism	Population
Sex	Criminality	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
381	3.600	2.100	6.100	22.58
400	1.570	1.400	1.760	28.90
436	3.704	2.632	5.263	26.02
190	2.083	1.220	3.571	22.50
D+L pooled ES	2.523	1.487	4.282	100.00

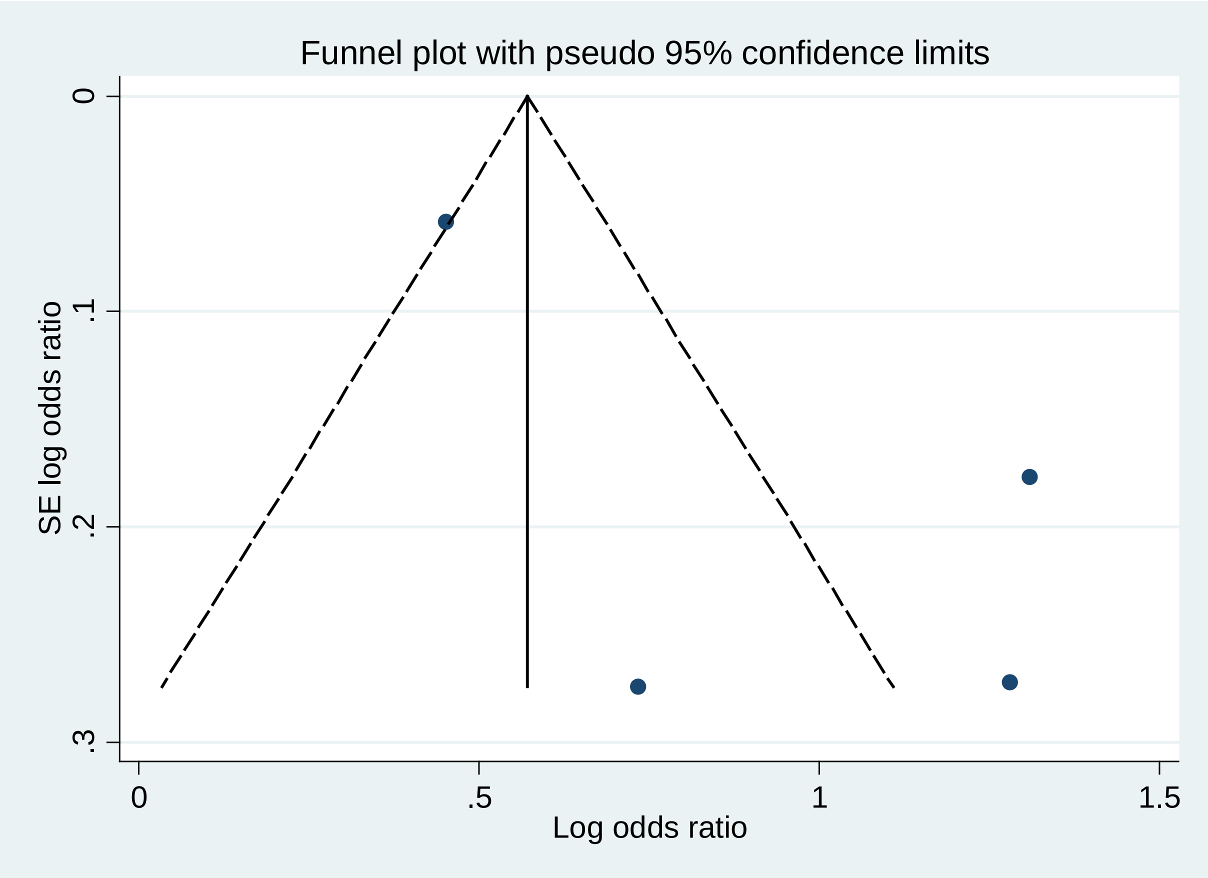
Test of ES=1 : z=   3.43 p = 0.001



Heterogeneity chi-squared = 28.82 (d.f. = 3) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 89.6%
Estimate of between-study variance Tau-squared = 0.2486

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.86274571	.19413865	5



Test of H0: no small-study effects   P = 0.811

9.5.52 Meta-analysis: code 100101

Exposure	Outcome	Recidivism	Population
Age	Violent crime	Yes	Sex offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.96	.89	1.03

Meta-analysis of Bonferroni-corrected p-values

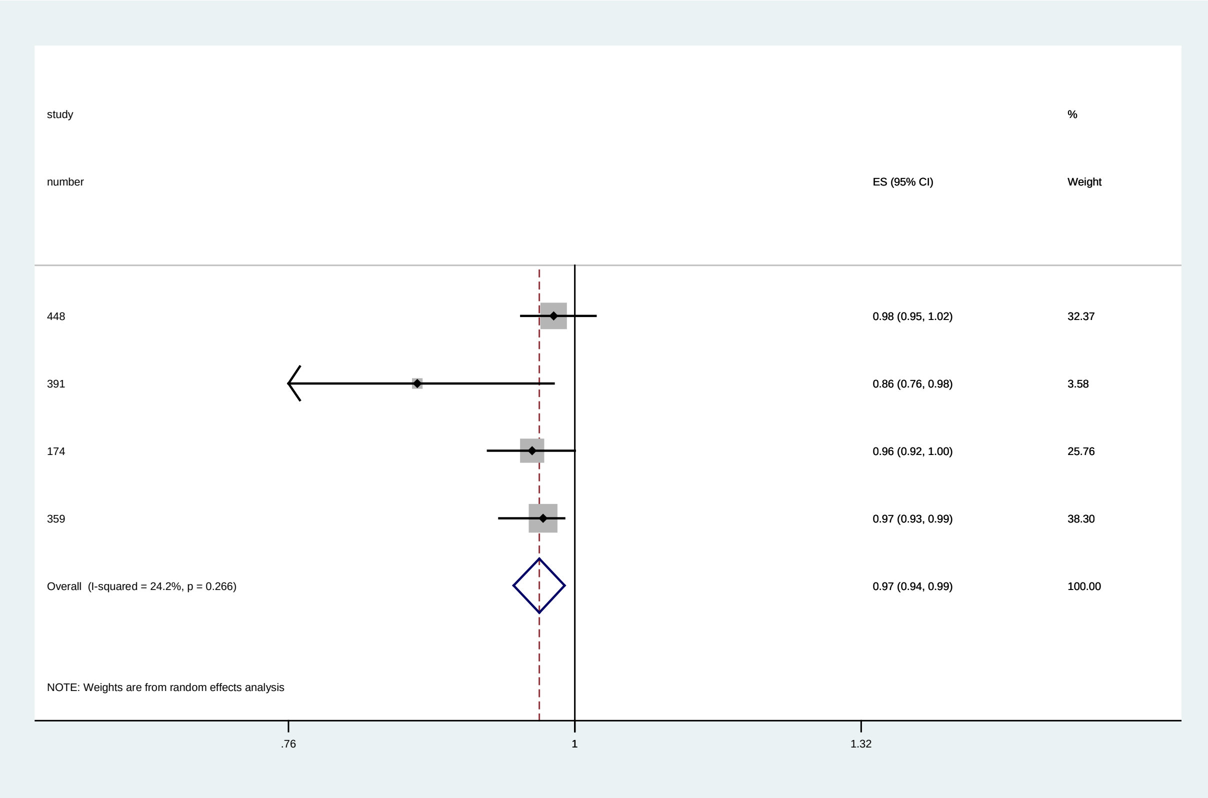
Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.53 Meta-analysis: code 100106

Exposure	Outcome	Recidivism	Population
Age	Violent crime	Yes	Non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
448	0.980	0.950	1.020	32.37
391	0.860	0.760	0.980	3.58
174	0.960	0.920	1.000	25.76
359	0.970	0.930	0.990	38.30
D+L pooled ES	0.966	0.943	0.990	100.00

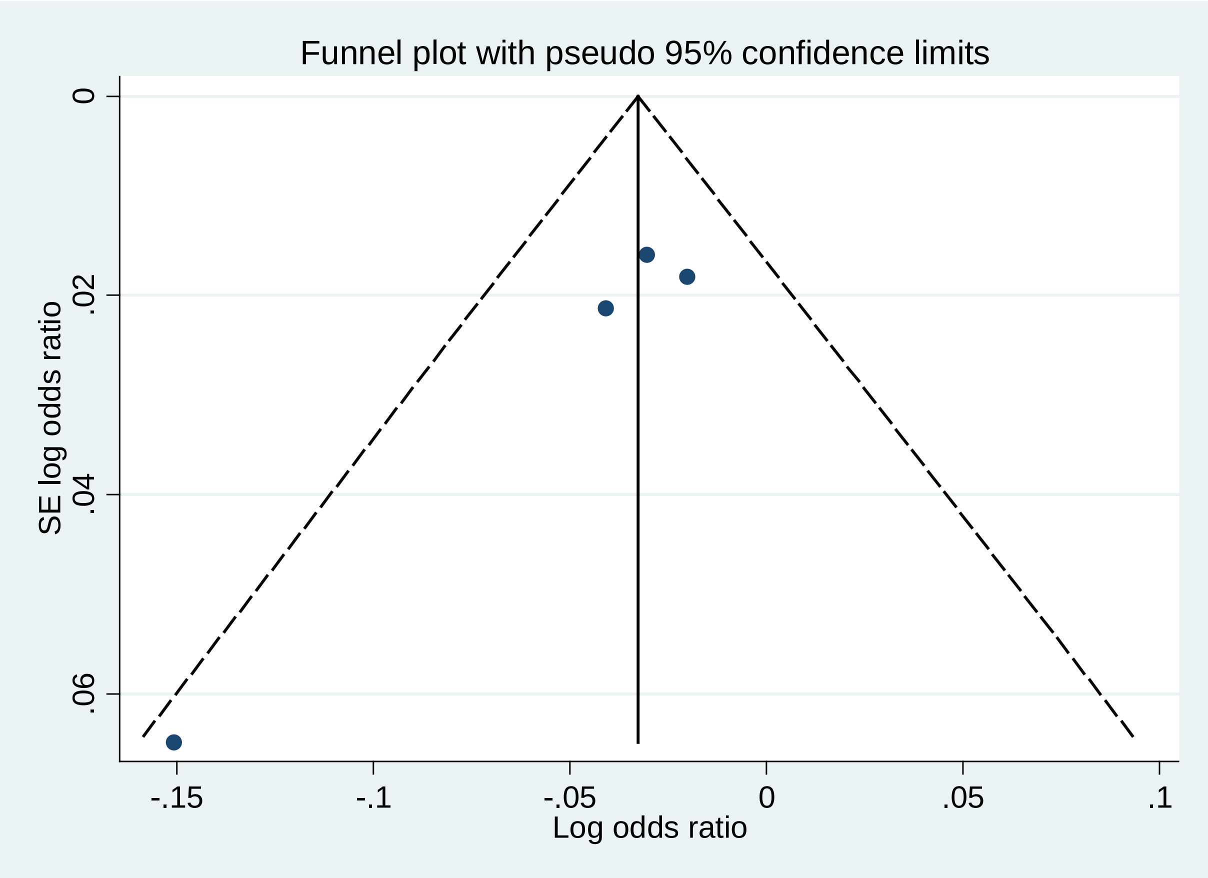
Test of ES=1 : z= 2.73 p = 0.006



Heterogeneity chi-squared = 3.96 (d.f. = 3) p = 0.266
I-squared (variation in ES attributable to heterogeneity) = 24.2%
Estimate of between-study variance Tau-squared = 0.0002

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.7451395	.04048029	6

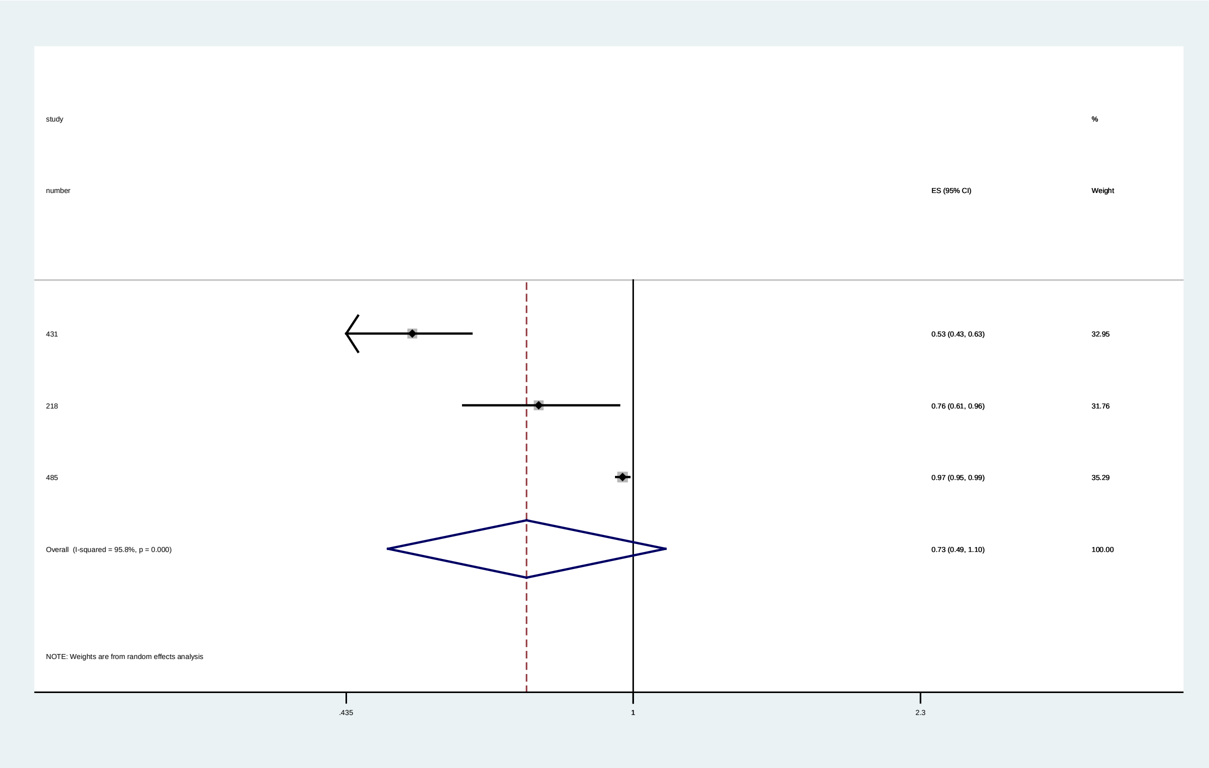


Test of H0: no small-study effects P = 0.059

9.5.54 Meta-analysis: code 100107

Exposure	Outcome	Recidivism	Population
Age	Violent crime	No	Psychiatric patients

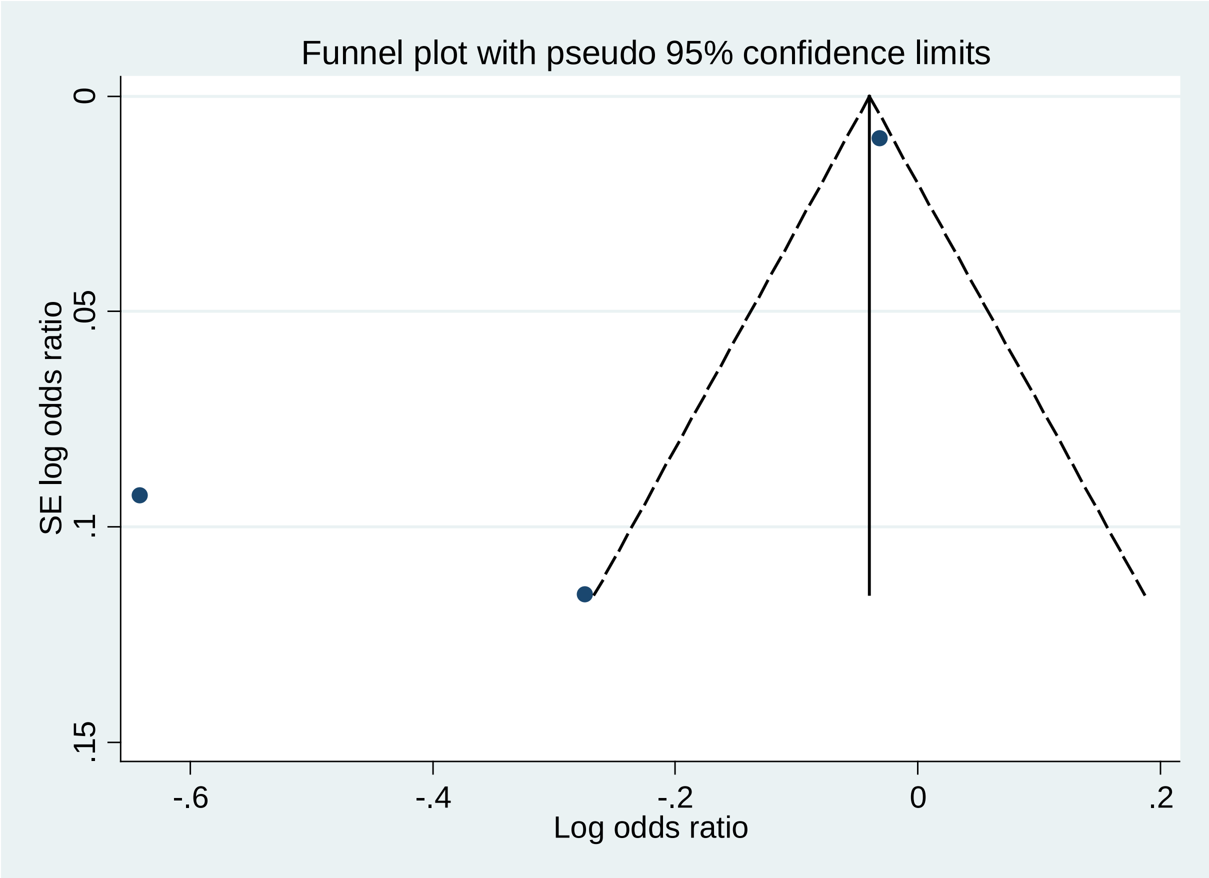
```
          Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+--------------------------------------------------
431                 |  0.526       0.435     0.625         32.95
218                 |  0.760       0.610     0.960         31.76
485                 |  0.969       0.951     0.988         35.29
---------------------+--------------------------------------------------
D+L pooled ES       |  0.734       0.490     1.097        100.00
---------------------+--------------------------------------------------
Test of ES=1 : z=   1.51 p = 0.132
```




```
Heterogeneity chi-squared =  47.13 (d.f. = 2) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  95.8%
Estimate of between-study variance Tau-squared =  0.1195

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method               |  Z            p_value      studies
---------------------+----------------------------------------
 Edgington, Normal    |  1.5087594    .06568014    5
--------------------------------------------------------------
```



Test of H0: no small-study effects P = 0.314

9.5.55 Meta-analysis: code 100207

Exposure	Outcome	Recidivism	Population
Age	Property crime	No	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.96	.	.
.79	.65	.95

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.04200004	.51675067	3

9.5.56 Meta-analysis: code 100307

Exposure	Outcome	Recidivism	Population
Age	Drug-related crime	No	Psychiatric patients

```
[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
      .96              .           .


Meta-analysis of Bonferroni-corrected p-values

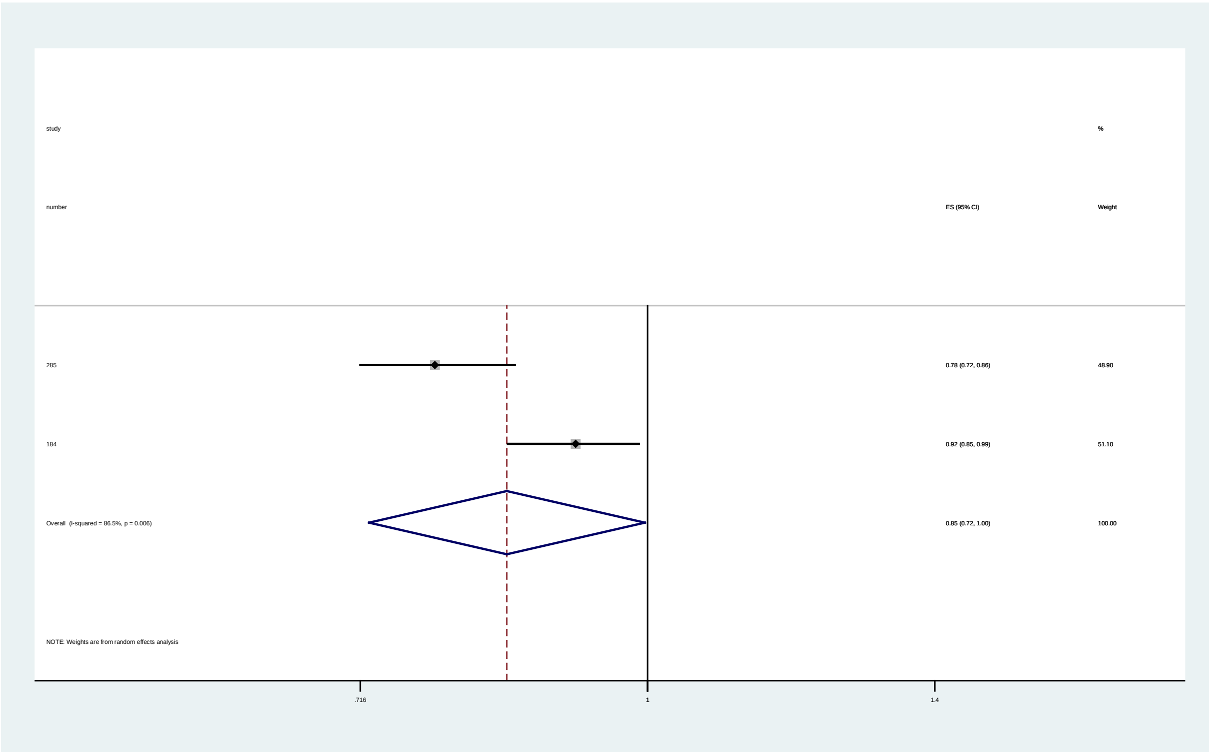
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.07593421   .53026428    2
--------------------------------------------------------------
```

9.5.57 Meta-analysis: code 101605

Exposure	Outcome	Recidivism	Population
Age	Criminality	Yes	Non-incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
285	0.781	0.716	0.857	48.90
184	0.920	0.850	0.990	51.10
D+L pooled ES	0.849	0.723	0.997	100.00

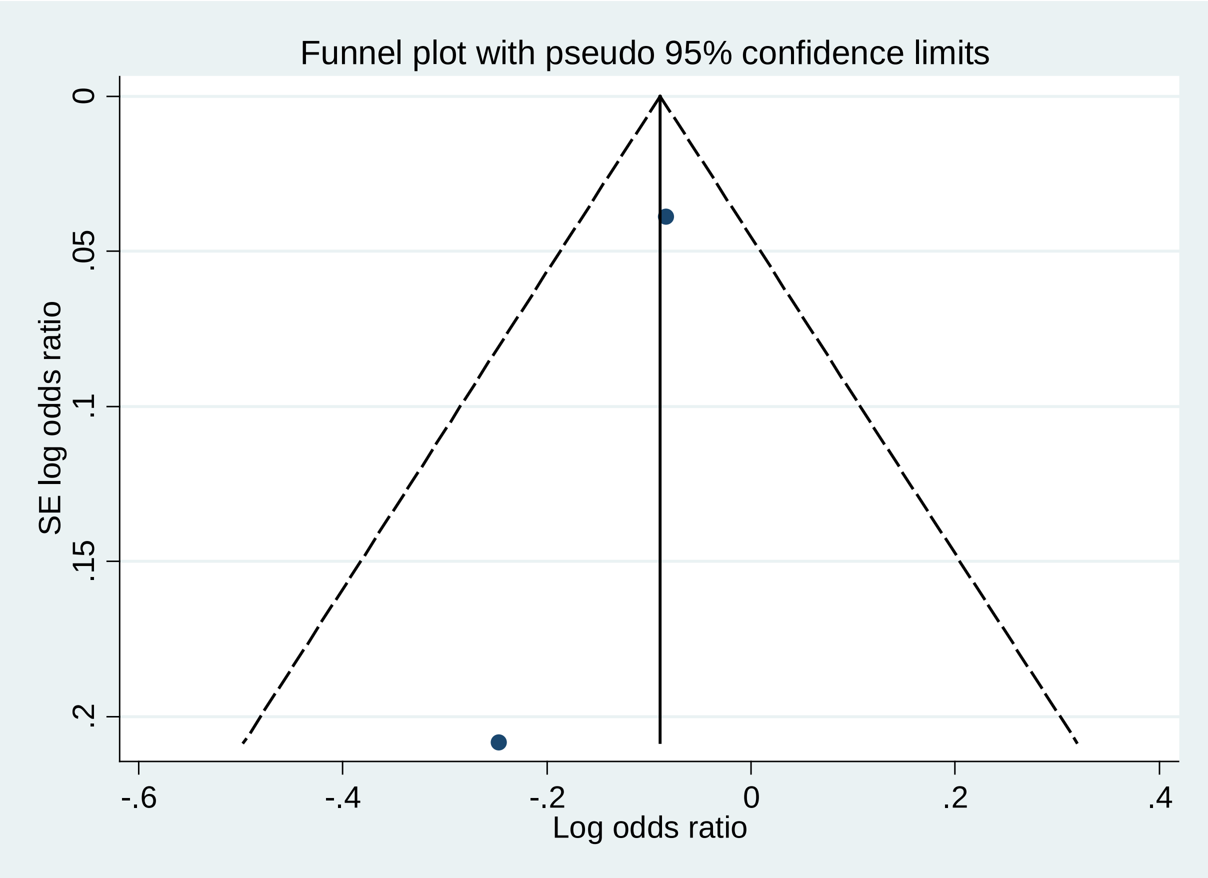
Test of ES=1 : z= 2.00 p = 0.046



Heterogeneity chi-squared = 7.42 (d.f. = 1) p = 0.006
I-squared (variation in ES attributable to heterogeneity) = 86.5%
Estimate of between-study variance Tau-squared = 0.0116

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.78400002	.78347995	3

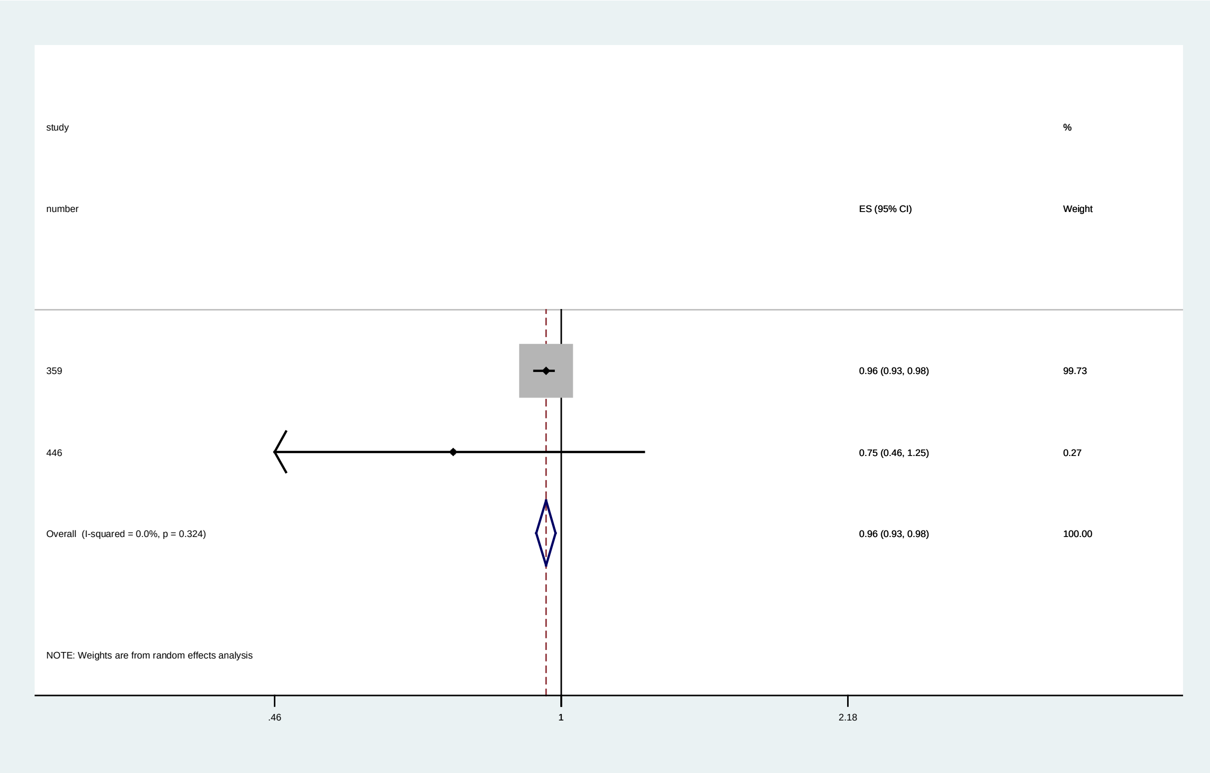


Test of H0: no small-study effects   P =   .

9.5.58 Meta-analysis: code 101606

Exposure	Outcome	Recidivism	Population
Age	Criminality	Yes	Non-incarcerated offenders

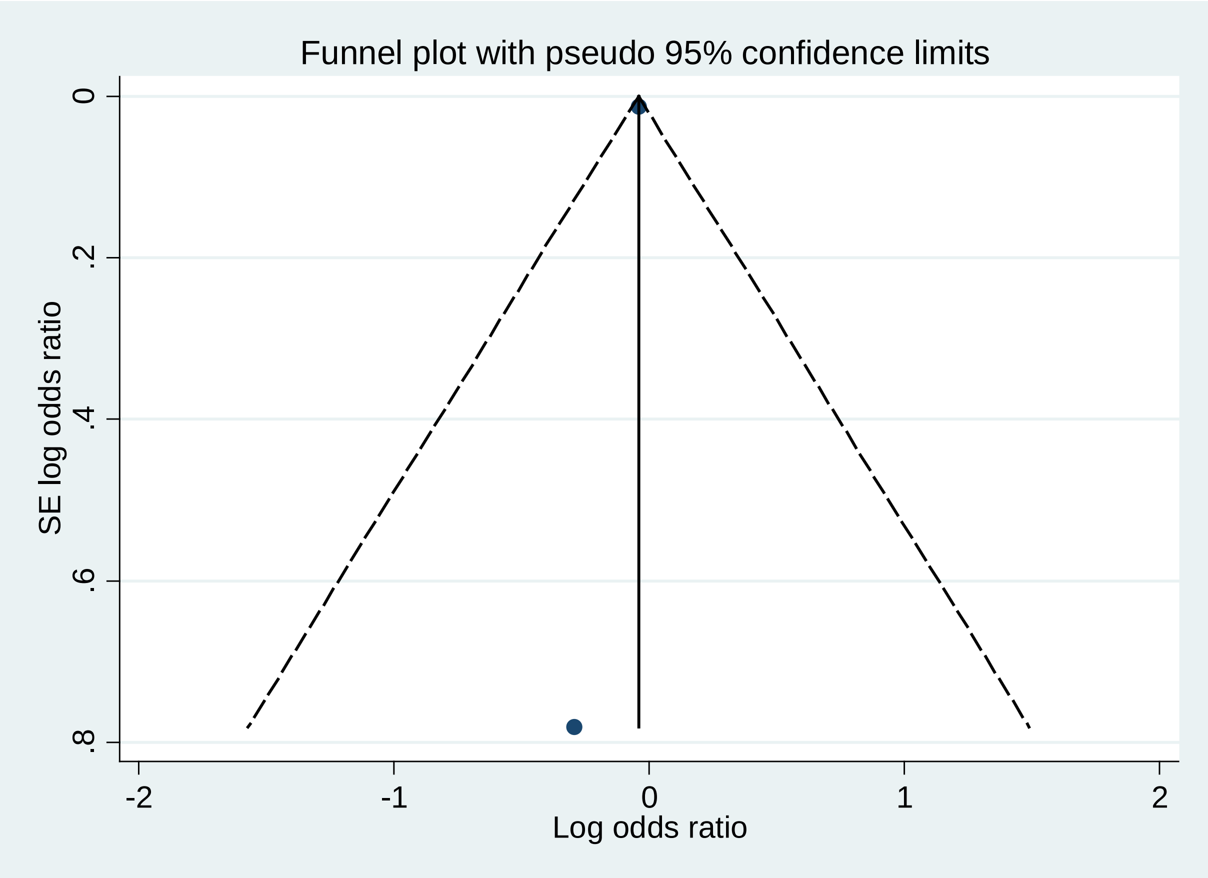
```
          Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
359                 |  0.960       0.930     0.980         99.73
446                 |  0.746       0.460     1.252          0.27
---------------------+---------------------------------------------------
D+L pooled ES       |  0.959       0.935     0.985        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   3.11 p = 0.002
```




```
Heterogeneity chi-squared =   0.97 (d.f. = 1) p = 0.324
I-squared (variation in ES attributable to heterogeneity) =   0.0%
Estimate of between-study variance Tau-squared =  0.0000

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method               |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal    |   1.7741114    .03802236    7
--------------------------------------------------------------
```



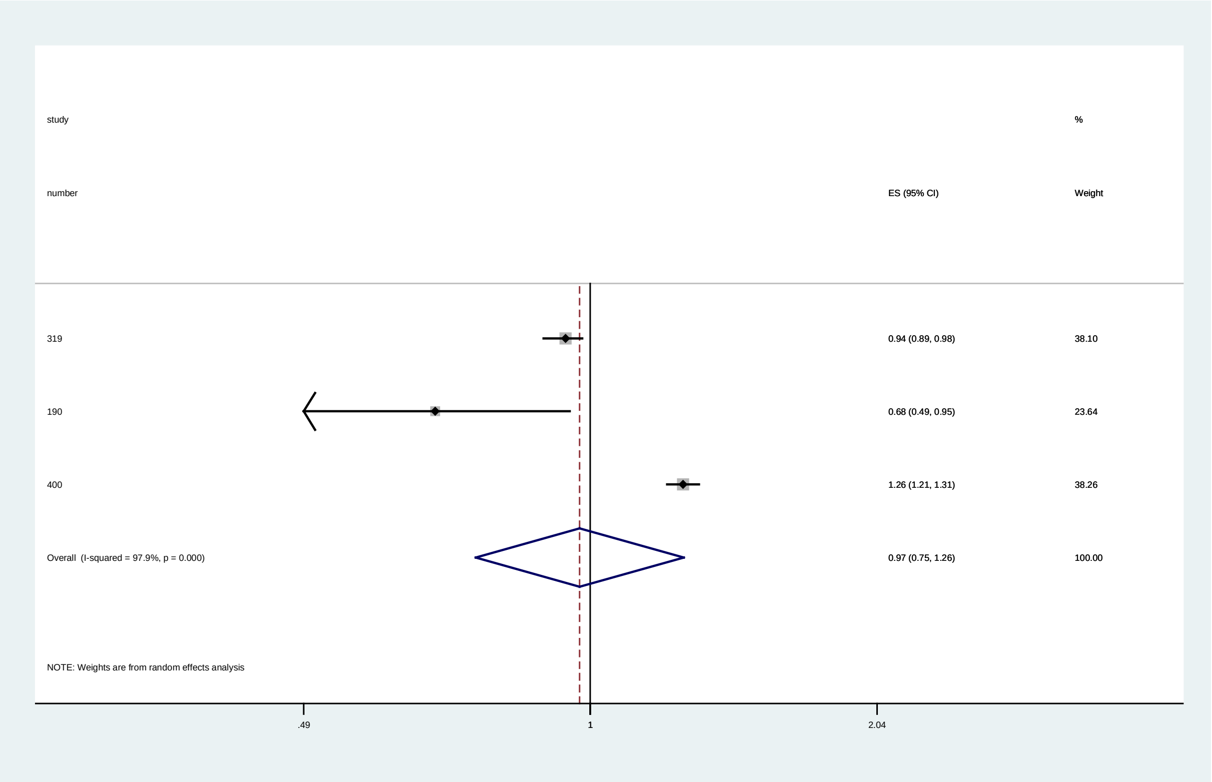

```
Test of H0: no small-study effects          P =      .
```

9.5.59 Meta-analysis: code 101607

Exposure	Outcome	Recidivism	Population
Age	Criminality	Yes/No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
319	0.940	0.890	0.980	38.10
190	0.680	0.490	0.950	23.64
400	1.260	1.210	1.310	38.26
D+L pooled ES	0.974	0.752	1.261	100.00

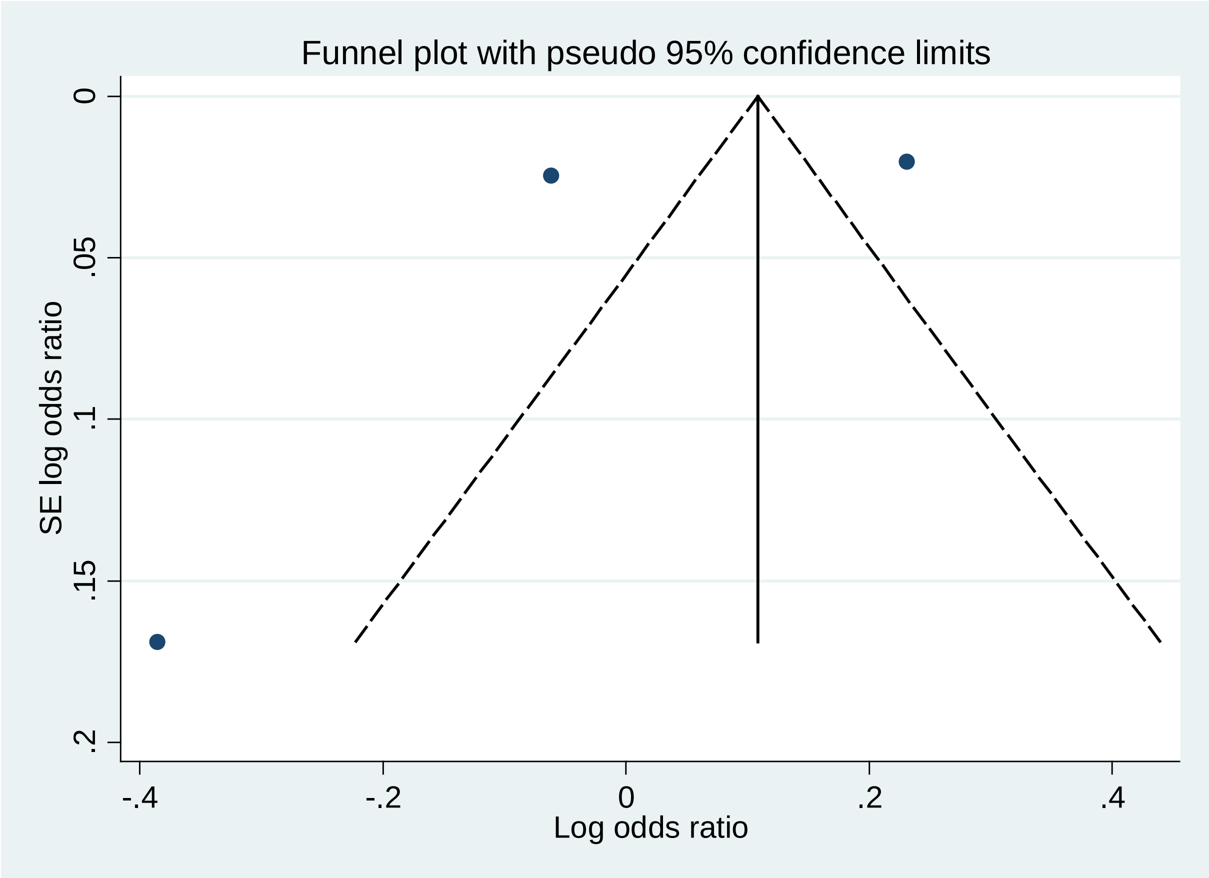
Test of ES=1 : z= 0.20 p = 0.842



Heterogeneity chi-squared = 93.26 (d.f. = 2) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 97.9%
Estimate of between-study variance Tau-squared = 0.0451

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.0800001	.85992893	3



Test of H0: no small-study effects   P = 0.704

9.5.60 Meta-analysis: code 101608

Exposure	Outcome	Recidivism	Population
Age	Criminality	Yes	Incarcerated offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
.99             .99          1
.99             .            .
.96             .            .


Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                 |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal      |   -1.2600001   .89616533    3
--------------------------------------------------------------
```

9.5.61 Meta-analysis: code 101901

Exposure	Outcome	Recidivism	Population
Age	Sex crime	Yes	Sex offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.99	.92	1.06

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.62 Meta-analysis: code 110101

Exposure	Outcome	Recidivism	Population
Personality	Violent crime	Yes	Sex offenders

```
[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
4.2               1.7        10.5



Meta-analysis of Bonferroni-corrected p-values

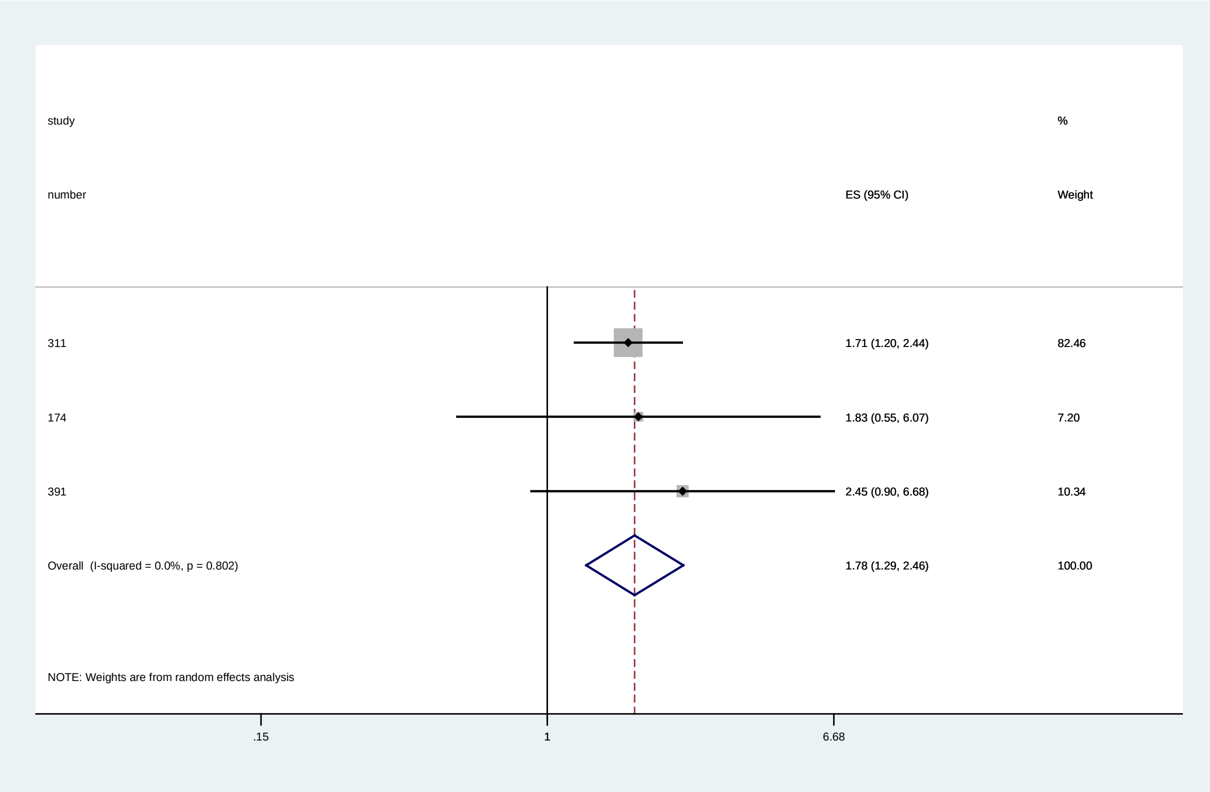
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   .65572844    .25599943    2
--------------------------------------------------------------
```

9.5.63 Meta-analysis: code 110106

Exposure	Outcome	Recidivism	Population
Personality	Violent crime	Yes	Non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
311	1.710	1.200	2.440	82.46
174	1.830	0.550	6.070	7.20
391	2.450	0.900	6.680	10.34
D+L pooled ES	1.783	1.292	2.461	100.00

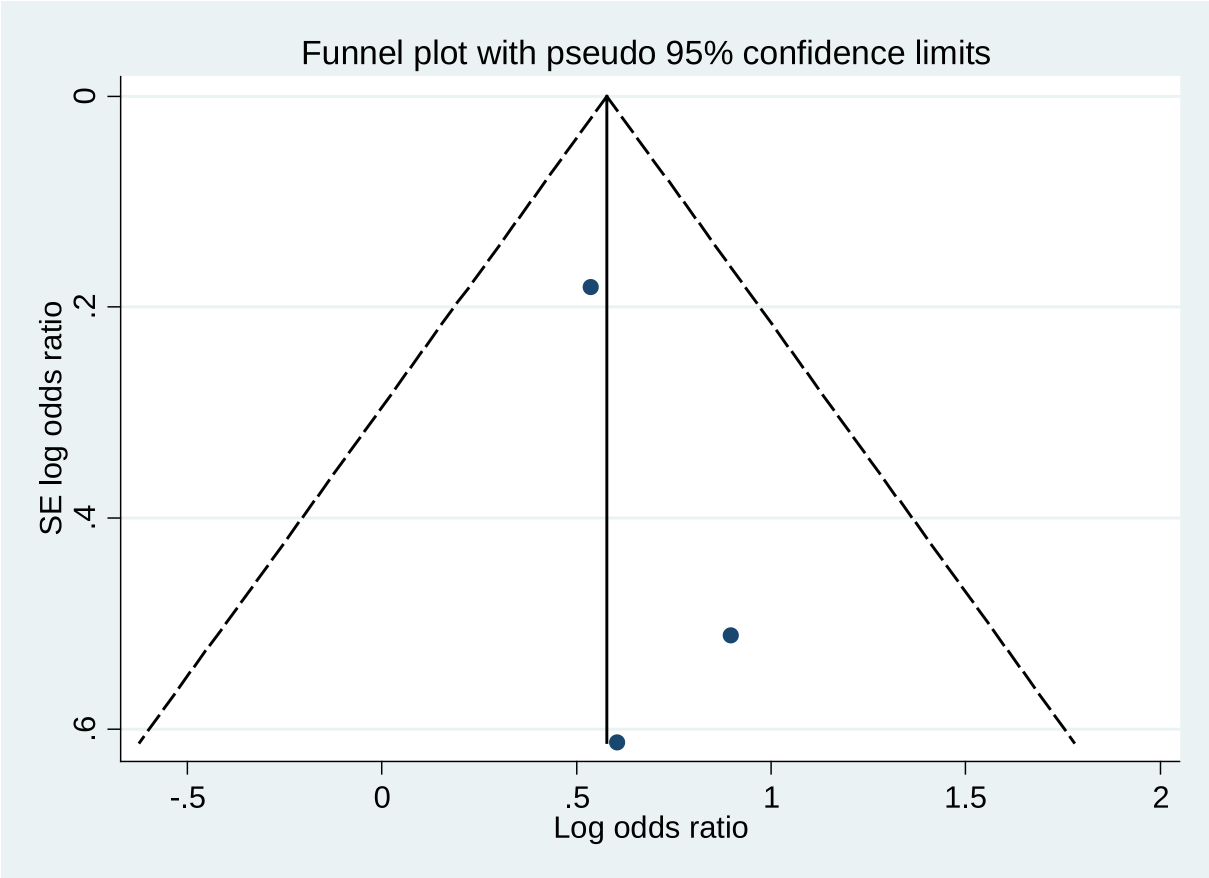
Test of ES=1 : z= 3.52 p = 0.000



Heterogeneity chi-squared = 0.44 (d.f. = 2) p = 0.802
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.7060701	.95600249	4



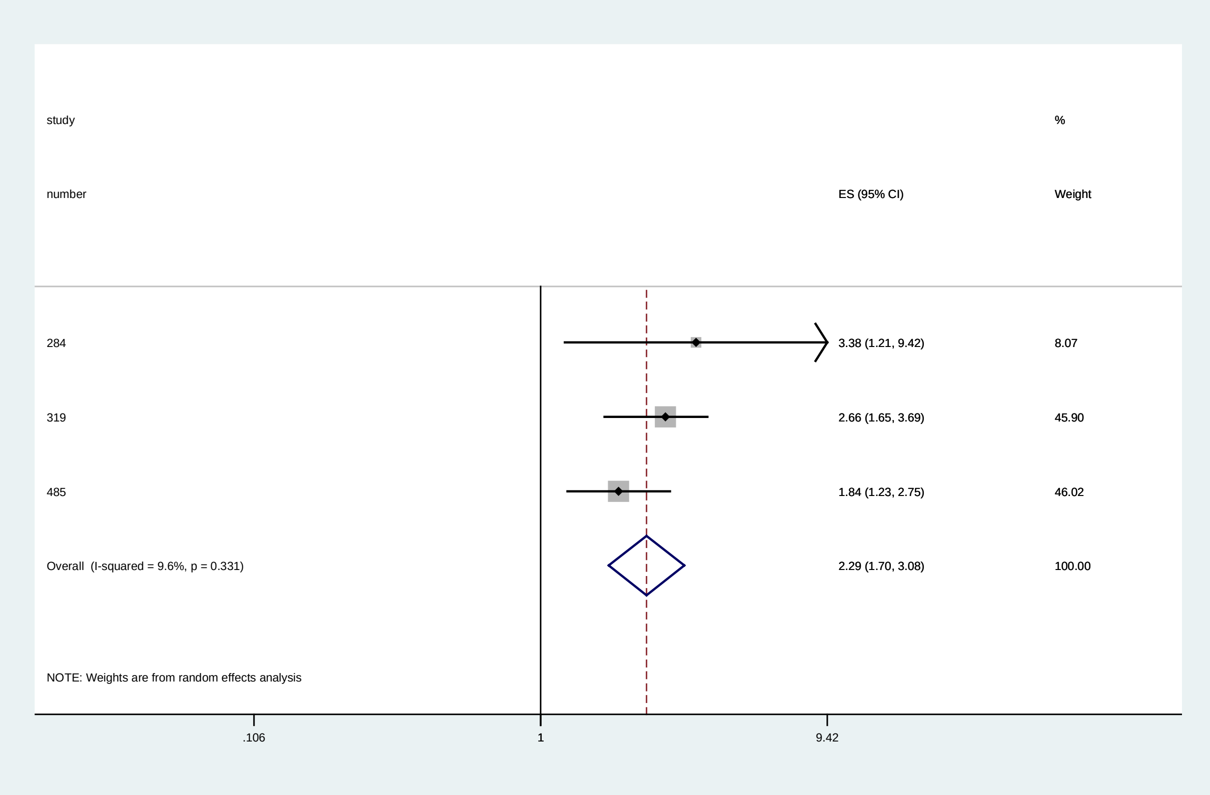
Test of H0: no small-study effects P = 0.464

9.5.64 Meta-analysis: code 110107

Exposure	Outcome	Recidivism	Population
Personality	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
284	3.380	1.210	9.420	8.07
319	2.660	1.650	3.690	45.90
485	1.842	1.233	2.754	46.02
D+L pooled ES	2.290	1.704	3.077	100.00

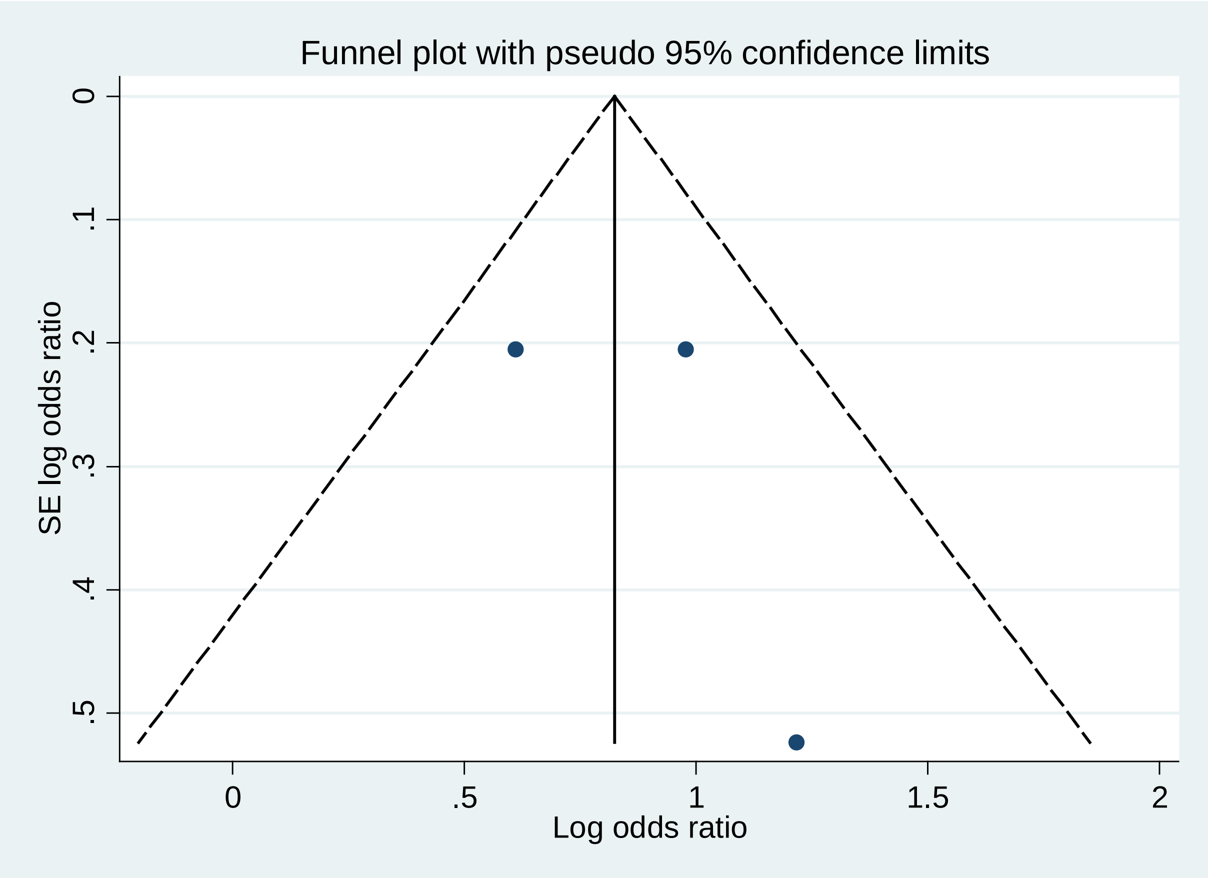
Test of ES=1 : z= 5.50 p = 0.000



Heterogeneity chi-squared = 2.21 (d.f. = 2) p = 0.331
I-squared (variation in ES attributable to heterogeneity) = 9.6%
Estimate of between-study variance Tau-squared = 0.0073

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.00152424	.50060808	4



Test of H0: no small-study effects   P = 0.648

9.5.65 Meta-analysis: code 110207

Exposure	Outcome	Recidivism	Population
Personality	Property crime	No	Psychiatric patients

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
     2.23              .          .
.31            .1         .91


Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.07593421   .53026428    2
--------------------------------------------------------------
```

9.5.66 Meta-analysis: code 110307

Exposure	Outcome	Recidivism	Population
Personality	Drug-related crime	No	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.76	.	.

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.97979591	.83640656	2

9.5.67 Meta-analysis: code 111606

Exposure	Outcome	Recidivism	Population
Personality	Criminality	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.67	.	.
.84	.	.
4.5	1.42	14.24

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.42799997	.33432557	3

9.5.68 Meta-analysis: code 111607

Exposure	Outcome	Recidivism	Population
Personality	Criminality	Yes/No	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
4.1	1.4	16.7

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.0532806	.8538938	2

9.5.69 Meta-analysis: code 111901

Exposure	Outcome	Recidivism	Population
Personality	Sex crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
10.1	4.1	24.9

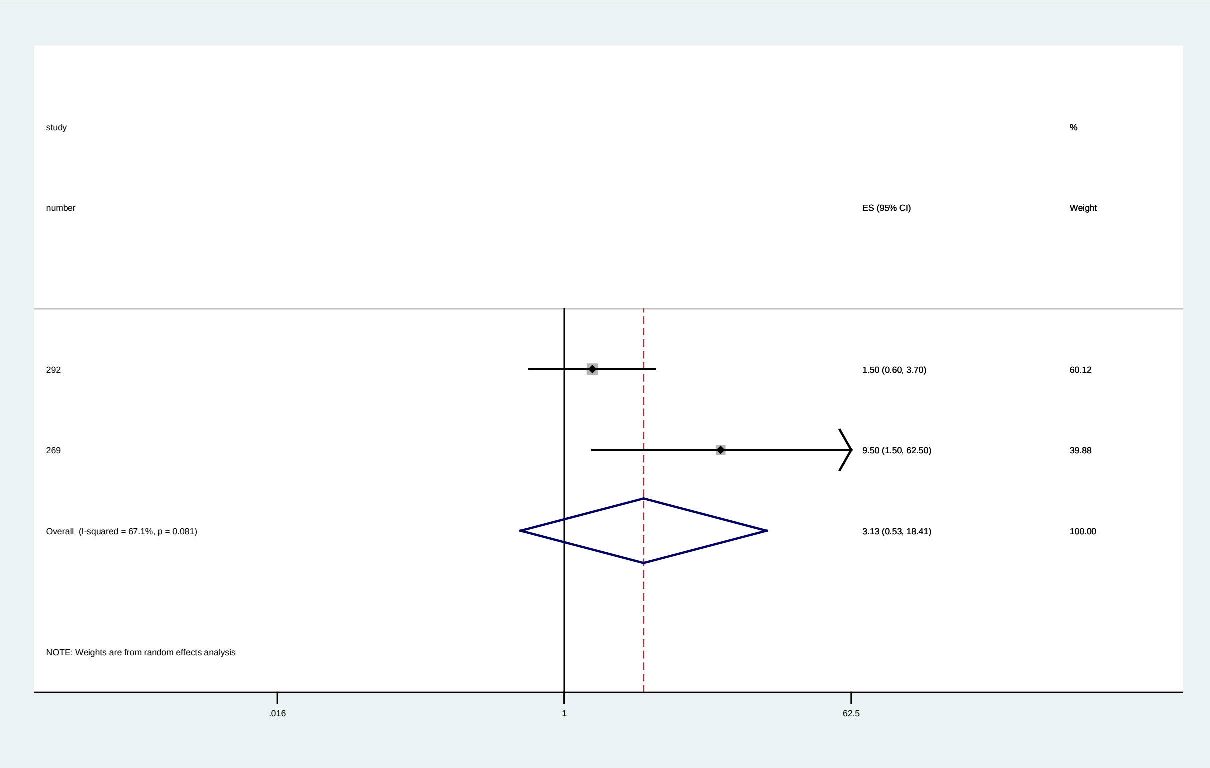
Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.02407846	.49039501	2

9.5.70 Meta-analysis: code 130102

Exposure	Outcome	Recidivism	Population
Anxiety	Violent crime	No	General population

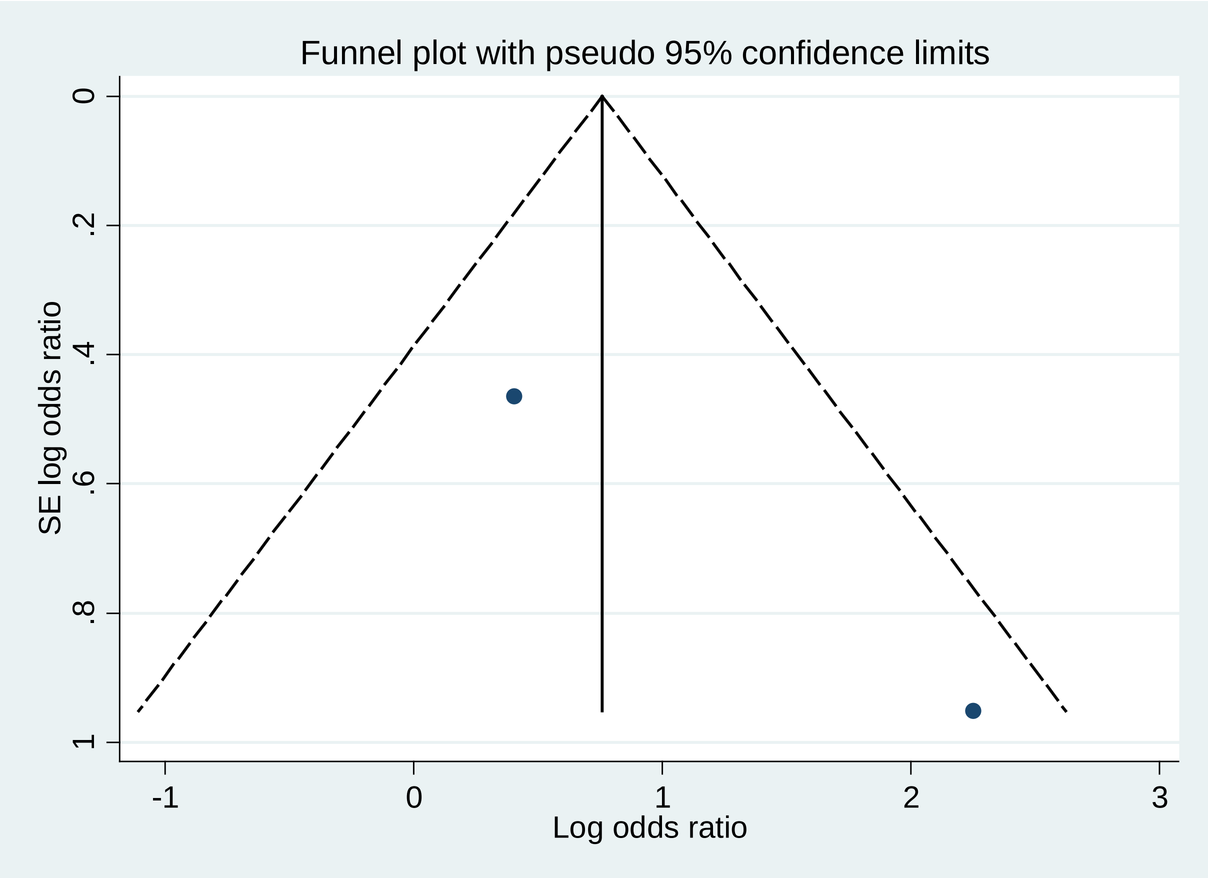
```
             Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
292                  |  1.500       0.600     3.700          60.12
269                  |  9.500       1.500    62.500          39.88
---------------------+---------------------------------------------------
D+L pooled ES        |  3.131       0.533    18.410         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   1.26 p = 0.207
```




```
Heterogeneity chi-squared =   3.04 (d.f. = 1) p = 0.081
I-squared (variation in ES attributable to heterogeneity) =  67.1%
Estimate of between-study variance Tau-squared =  1.1432

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z             p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |  -1.0532806    .8538938      2
--------------------------------------------------------------
```

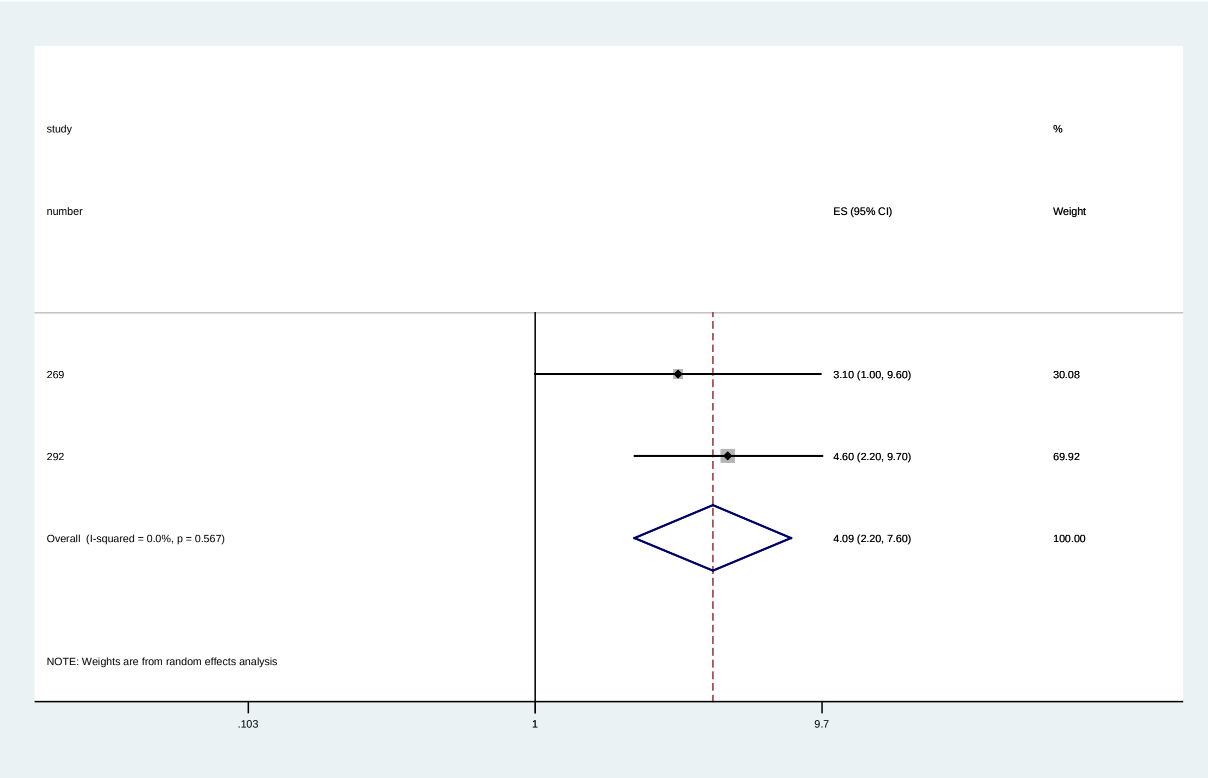


Test of H0: no small-study effects P = .

9.5.71 Meta-analysis: code 130202

Exposure	Outcome	Recidivism	Population
Anxiety	Property crime	No	General population

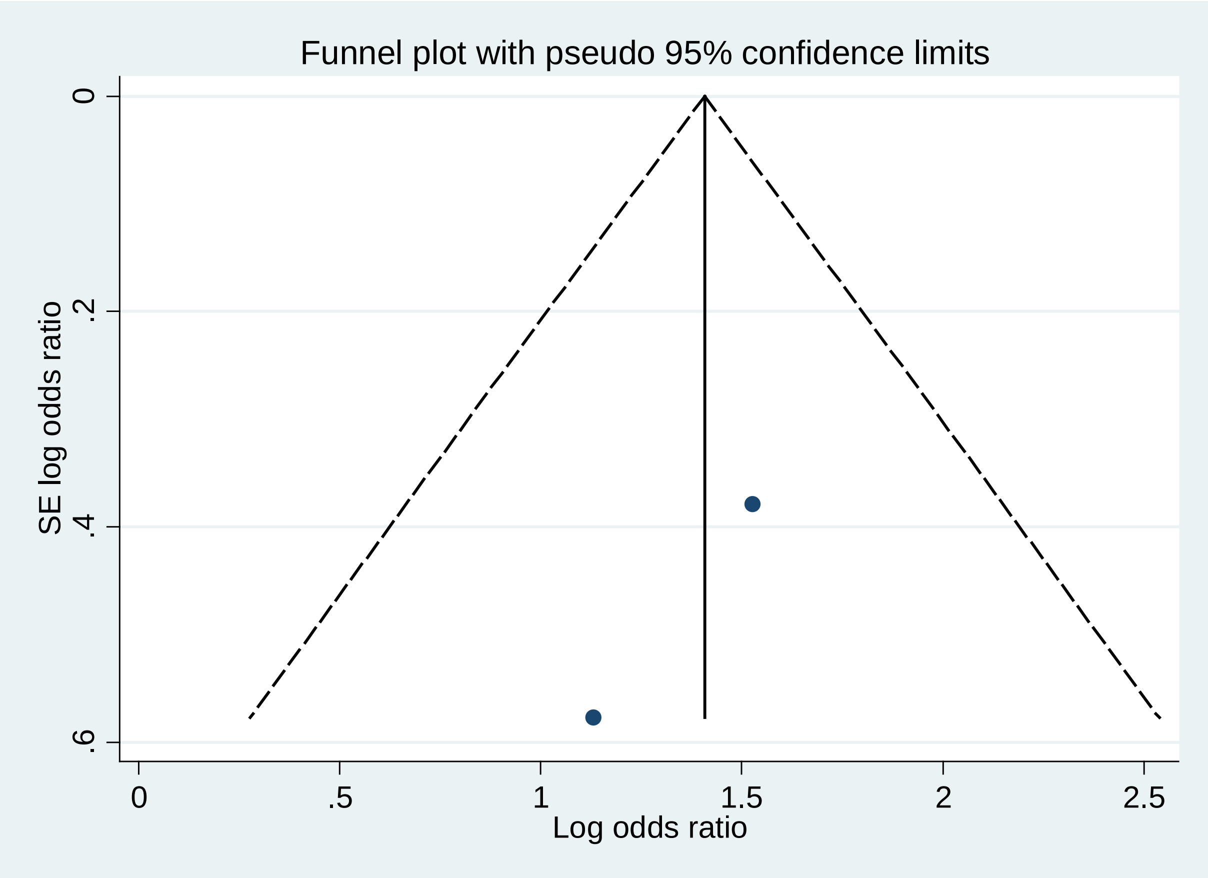
```
            Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
269                  |  3.100       1.000     9.600          30.08
292                  |  4.600       2.200     9.700          69.92
---------------------+---------------------------------------------------
D+L pooled ES        |  4.085       2.197     7.596         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   4.45 p = 0.000
```




```
Heterogeneity chi-squared =   0.33 (d.f. = 1) p = 0.567
I-squared (variation in ES attributable to heterogeneity) =   0.0%
Estimate of between-study variance Tau-squared =  0.0000

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method               |   Z            p_value       studies
----------------------+---------------------------------------
 Edgington, Normal    |   -.124924     .54970814     2
--------------------------------------------------------------
```




```
Test of H0: no small-study effects          P =     .
```

9.5.72 Meta-analysis: code 131605

Exposure	Outcome	Recidivism	Population
Anxiety	Criminality	Yes	Non-incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

```
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
      1.17              .78        1.77
1.64             .            .
```

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.006       .84279222    3
--------------------------------------------------------------
```

9.5.73 Meta-analysis: code 131608

Exposure	Outcome	Recidivism	Population
Anxiety	Criminality	Yes	Incarcerated offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
      .99              .9          1.09



Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |  .01959589    .49218287    2
--------------------------------------------------------------
```

9.5.74 Meta-analysis: code 160101

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Violent crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
3.94	1.53	10.1

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.5186837	.93557893	2

9.5.75 Meta-analysis: code 160102

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Violent crime	No	General population

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.11	1.01	1.21

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.210048	.88686976	2

9.5.76 Meta-analysis: code 160105

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Violent crime	No	Non-incarcerated juvenile offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.13	1.02	1.26

Meta-analysis of Bonferroni-corrected p-values

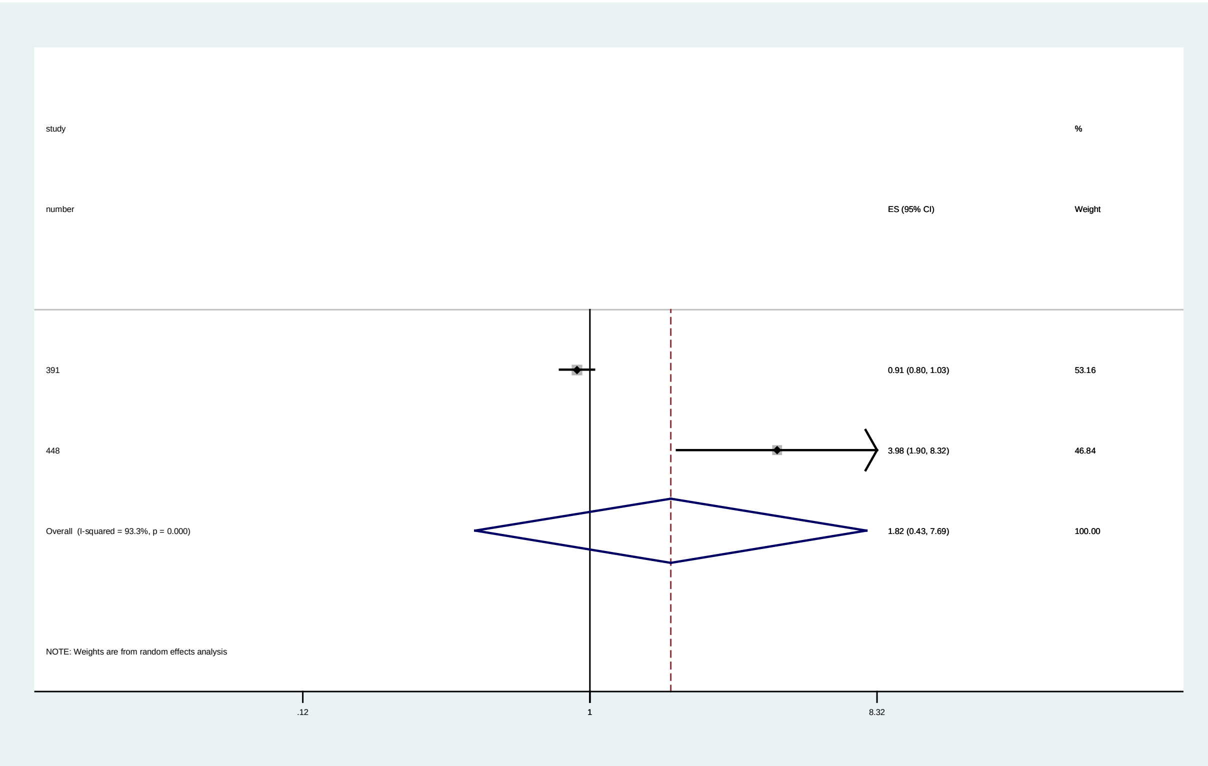
Method	Z	p_value	studies
Edgington, Normal	.104	.45858467	3

9.5.77 Meta-analysis: code 160106

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Violent crime	Yes	Non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
391	0.910	0.800	1.030	53.16
448	3.980	1.900	8.320	46.84
D+L pooled ES	1.816	0.429	7.690	100.00

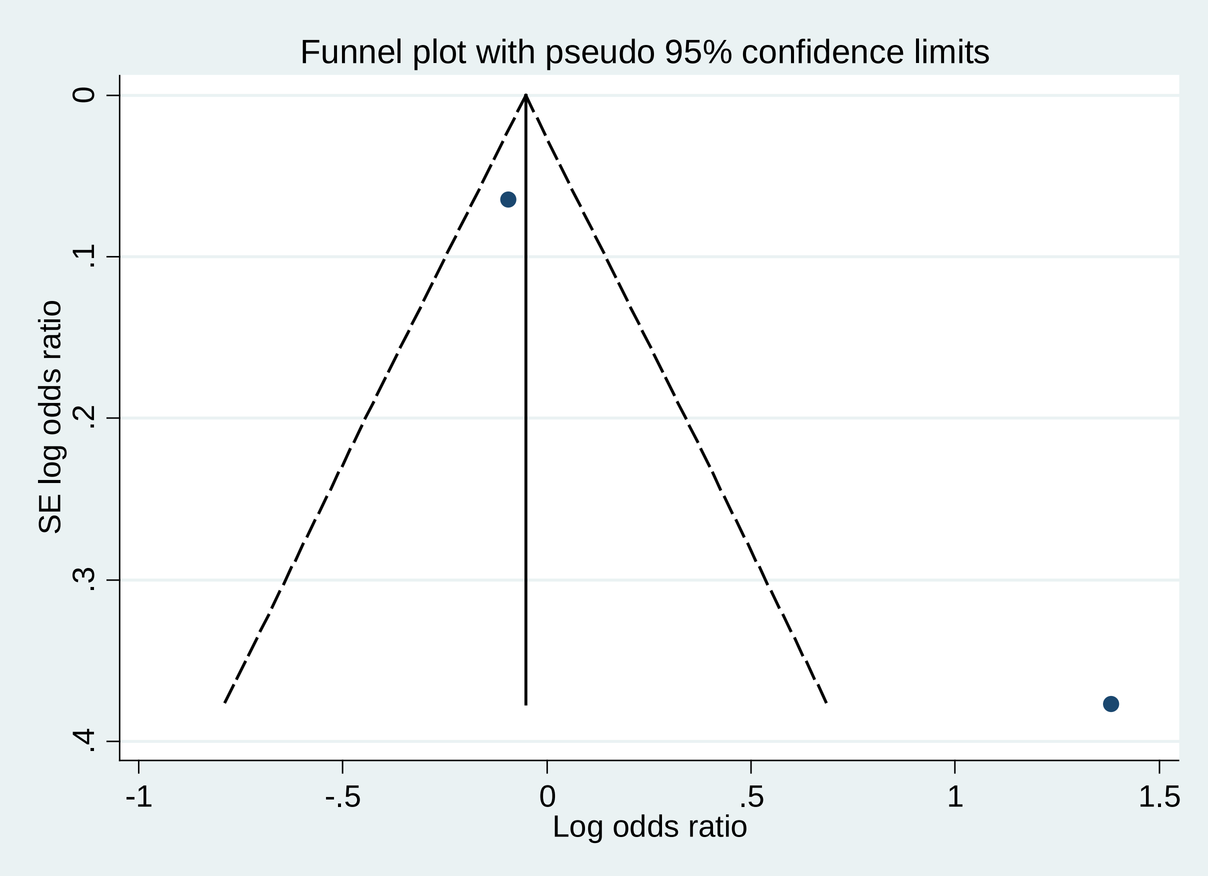
Test of ES=1 : z= 0.81 p = 0.418



Heterogeneity chi-squared = 14.90 (d.f. = 1) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 93.3%
Estimate of between-study variance Tau-squared = 1.0156

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.05200007	.52073568	3



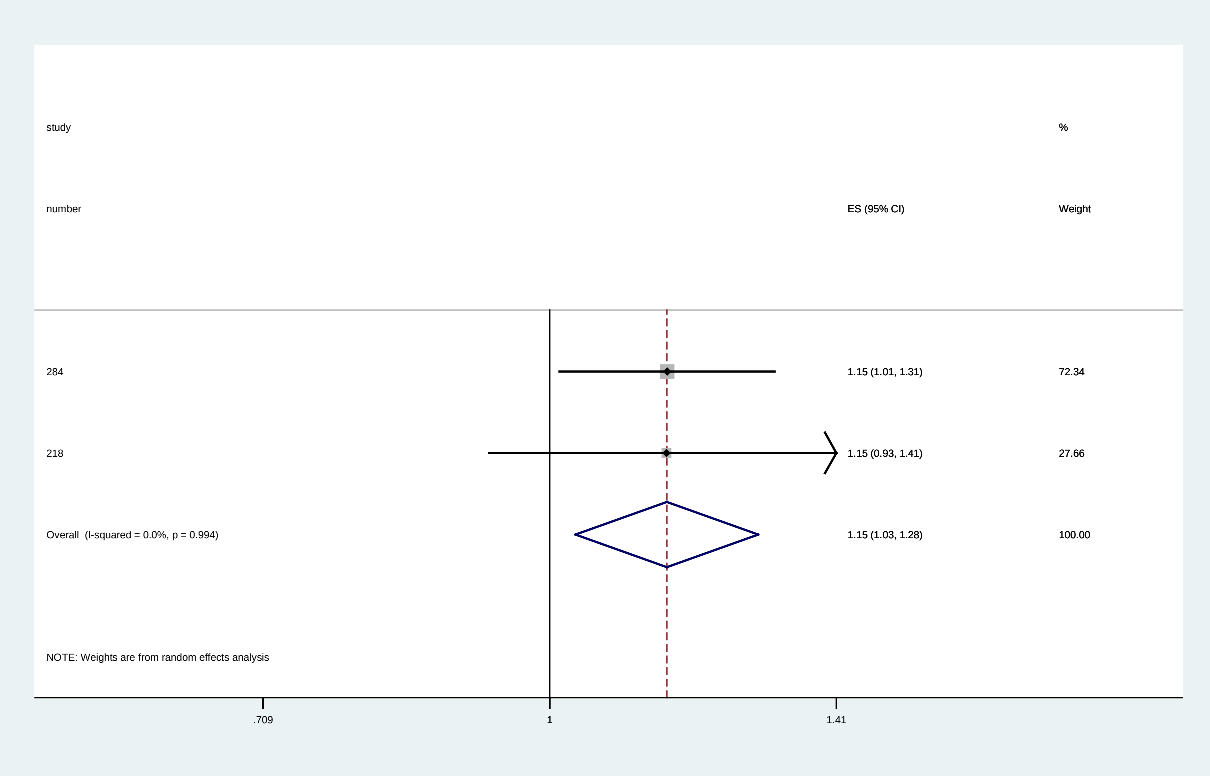
Test of H0: no small-study effects P = .

9.5.78 Meta-analysis: code 160107

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf. Interval]		% Weight
284	1.151	1.012	1.309	72.34
218	1.150	0.930	1.410	27.66
D+L pooled ES	1.151	1.031	1.284	100.00

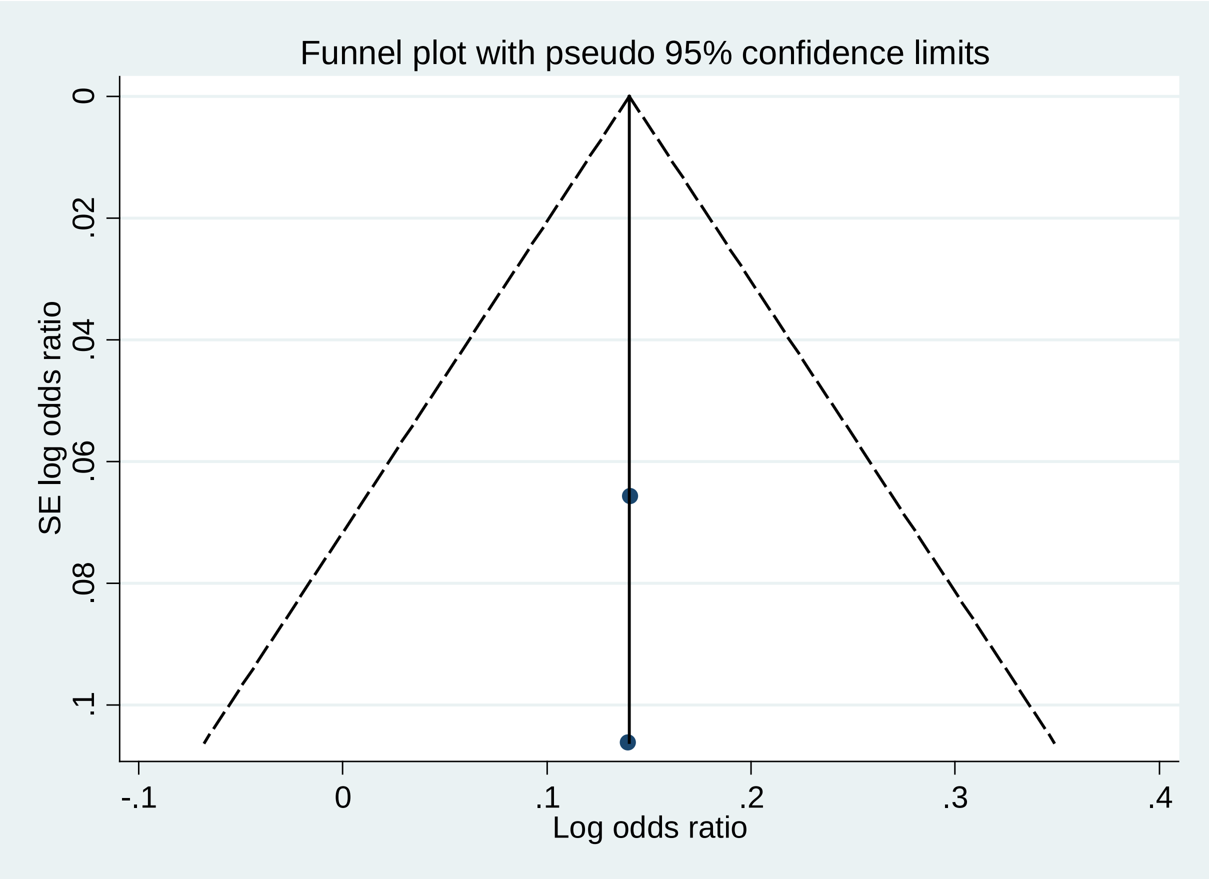
Test of ES=1 : z= 2.51 p = 0.012



Heterogeneity chi-squared = 0.00 (d.f. = 1) p = 0.994
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2



Test of H0: no small-study effects P = .

9.5.79 Meta-analysis: code 160108

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Violent crime	Yes/No	Incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.06	.	.
1.08	.	.

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.7274613	.23347171	4

9.5.80 Meta-analysis: code 161604

Exposure	Outcome	Recidivism	Population
Psychopathy	Criminality	Yes	Incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's: None

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.89896277	.81566375	2

9.5.81 Meta-analysis: code 161605

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Criminality	Yes	Non-incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s: None

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                 |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal      |   -1.0777755   .85943302    2
--------------------------------------------------------------
```

9.5.82 Meta-analysis: code 161606

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Criminality	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s: None

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                | Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     | -1.4403      .92510872    2
--------------------------------------------------------------
```

9.5.83 Meta-analysis: code 161608

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Criminality	Yes	Incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.083	.	.

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.2290357	.01290577	2

9.5.84 Meta-analysis: code 161901

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Sex crime	Yes	Sex offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
4.03	1.62	9.99

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.5186837	.93557893	2

9.5.85 Meta-analysis: code 161906

Exposure	Outcome	Recidivism	Population
Psychopathy traits	Sex crime	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.44	1.05	1.96

Meta-analysis of Bonferroni-corrected p-values

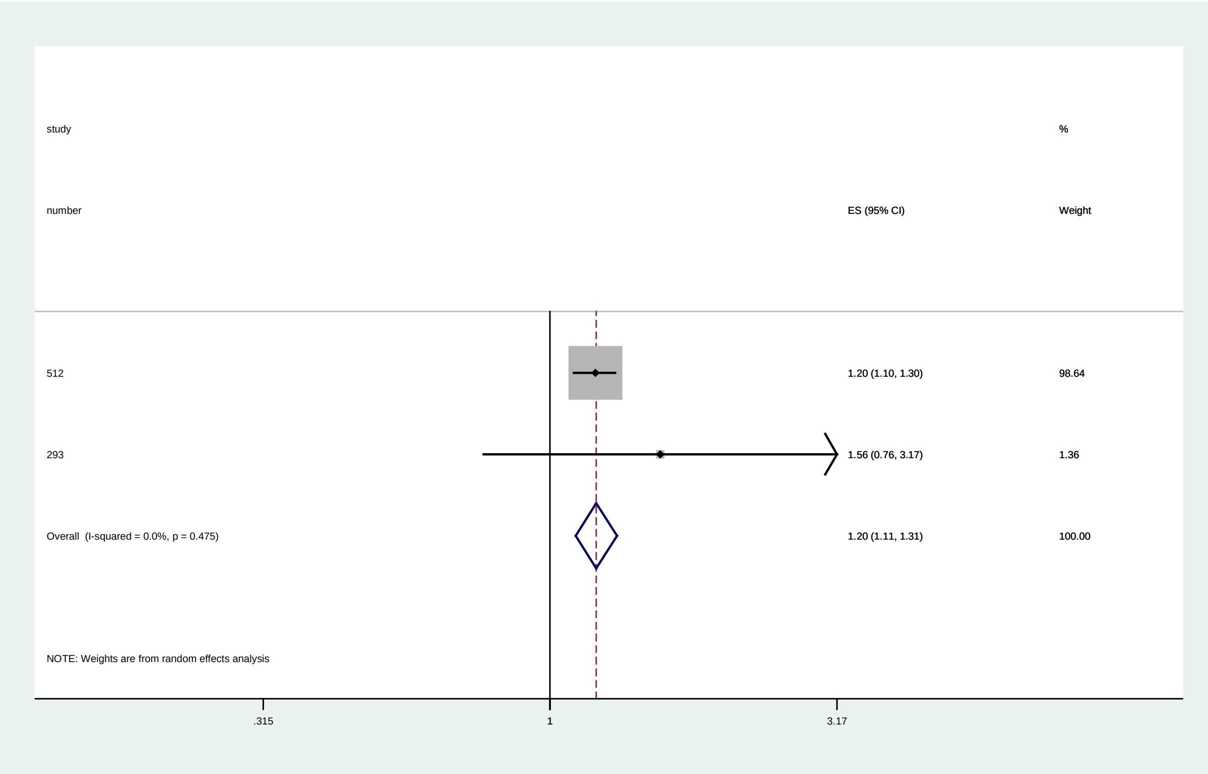
Method	Z	p_value	studies
Edgington, Normal	-.4164133	.6614462	2

9.5.86 Meta-analysis: code 170107

Exposure	Outcome	Recidivism	Population
Low SES	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
512	1.200	1.100	1.300	98.64
293	1.558	0.765	3.171	1.36
D+L pooled ES	1.204	1.108	1.308	100.00

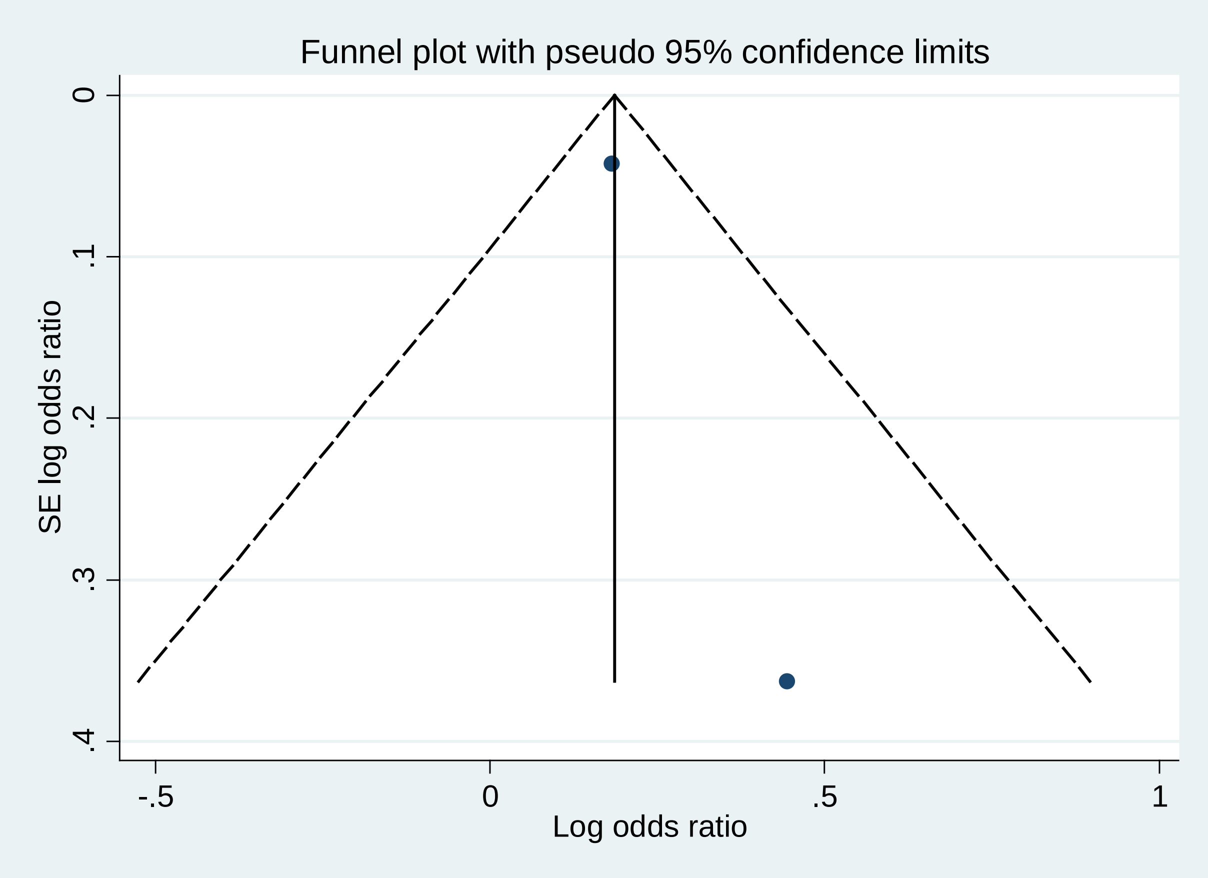
Test of ES=1 : z= 4.39 p = 0.000



Heterogeneity chi-squared = 0.51 (d.f. = 1) p = 0.475
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.019106	.49237827	2



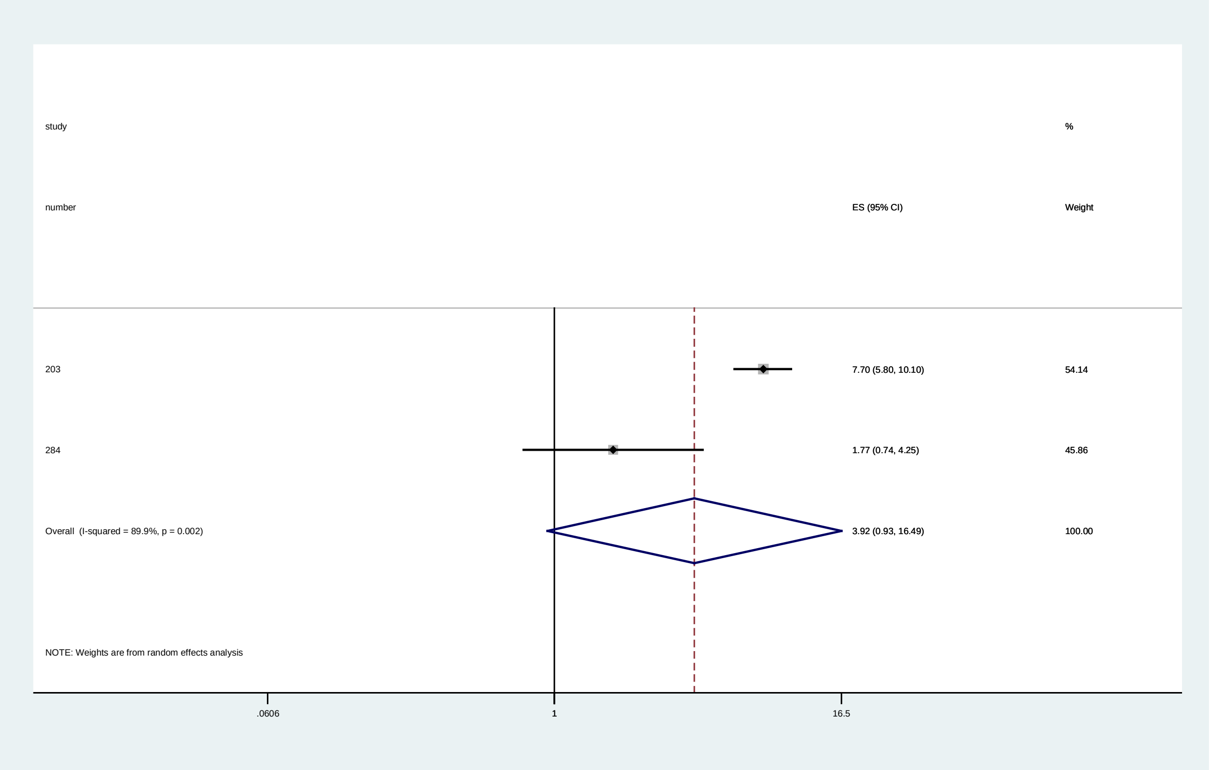
Test of H0: no small-study effects   P =   .

9.5.87 Meta-analysis: code 180107

Exposure	Outcome	Recidivism	Population
SMI(+drugs)	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
203	7.700	5.800	10.100	54.14
284	1.770	0.740	4.250	45.86
D+L pooled ES	3.923	0.933	16.491	100.00

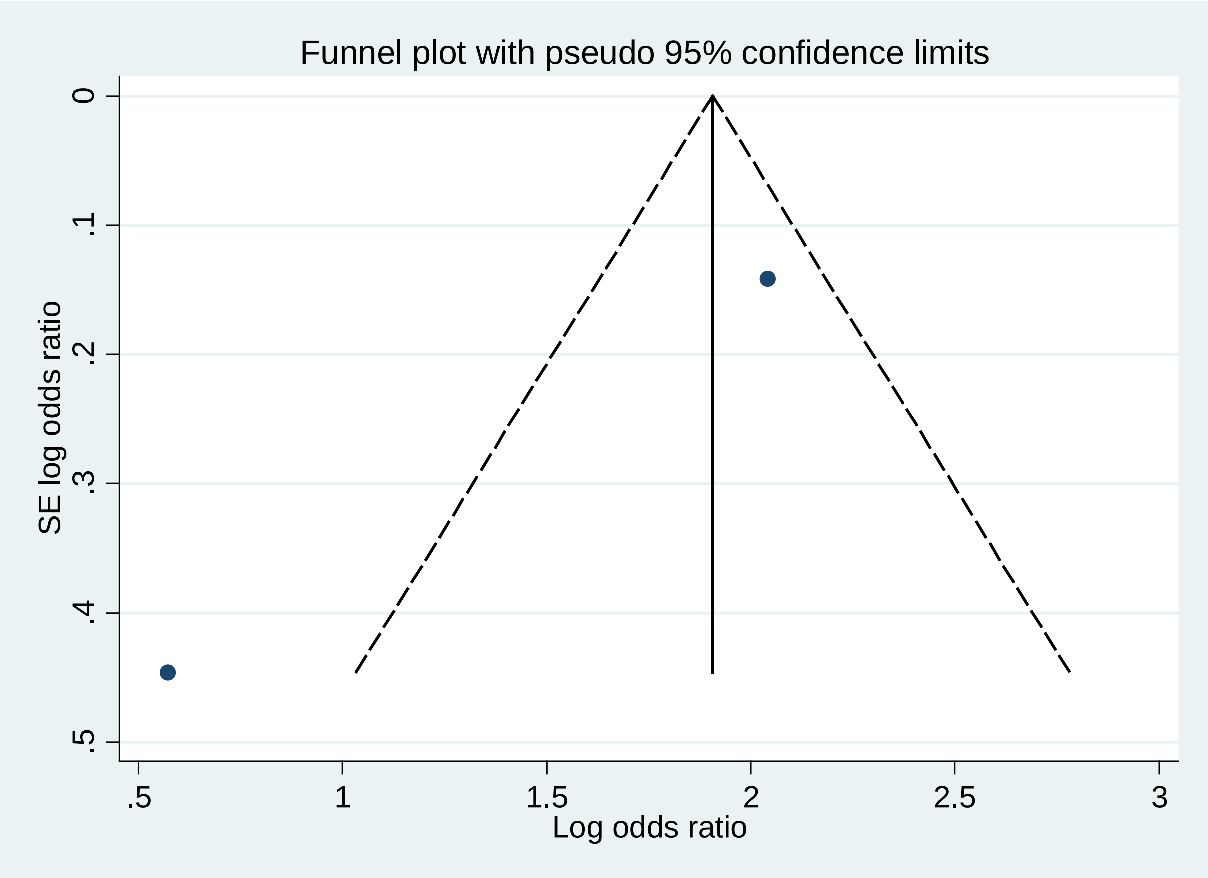
Test of ES=1 : z= 1.87 p = 0.062



Heterogeneity chi-squared = 9.88 (d.f. = 1) p = 0.002
I-squared (variation in ES attributable to heterogeneity) = 89.9%
Estimate of between-study variance Tau-squared = 0.9714

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.281e-08	.50000001	2



Test of H0: no small-study effects P = .

9.5.88 Meta-analysis: code 190106

Exposure	Outcome	Recidivism	Population
HCR20	Violent crime	Yes/No	non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.05	.87	1.27

Meta-analysis of Bonferroni-corrected p-values

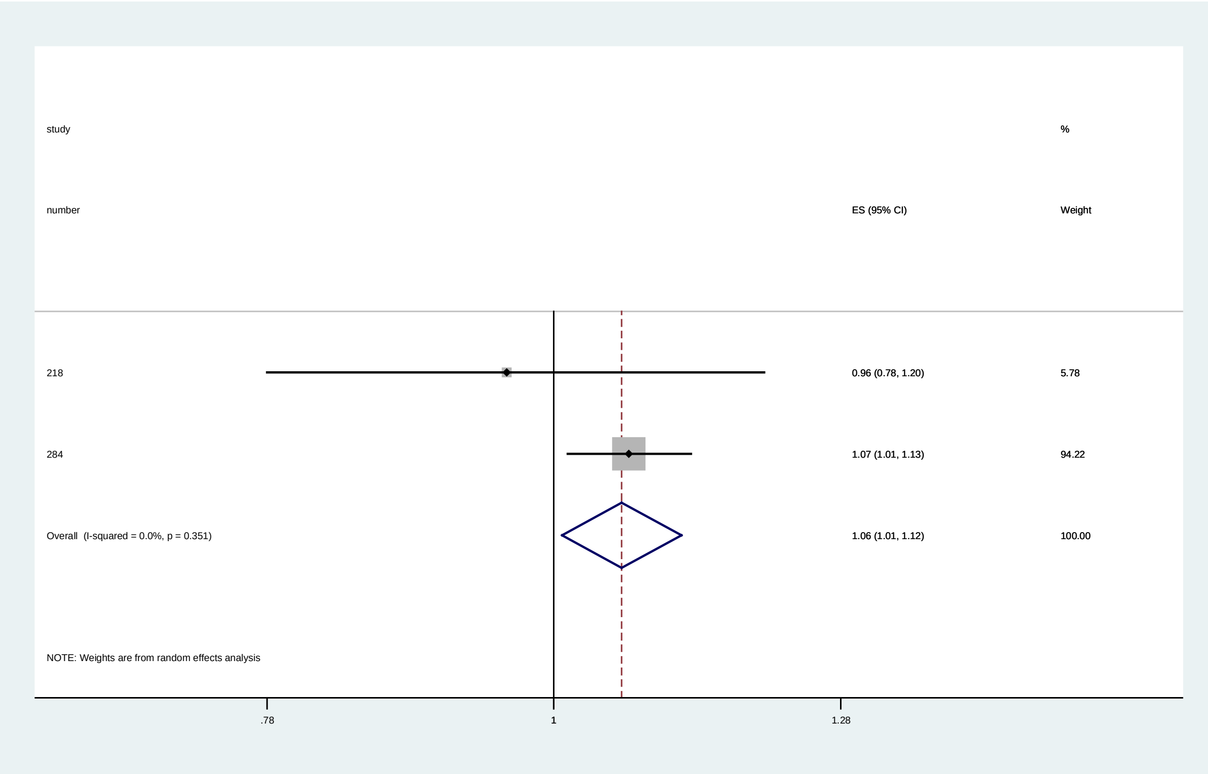
Method	Z	p_value	studies
Edgington, Normal	1.665653	.04789127	2

9.5.89 Meta-analysis: code 230107

Exposure	Outcome	Recidivism	Population
Impulsiveness	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
218	0.960	0.780	1.200	5.78
284	1.067	1.012	1.126	94.22
D+L pooled ES	1.060	1.007	1.117	100.00

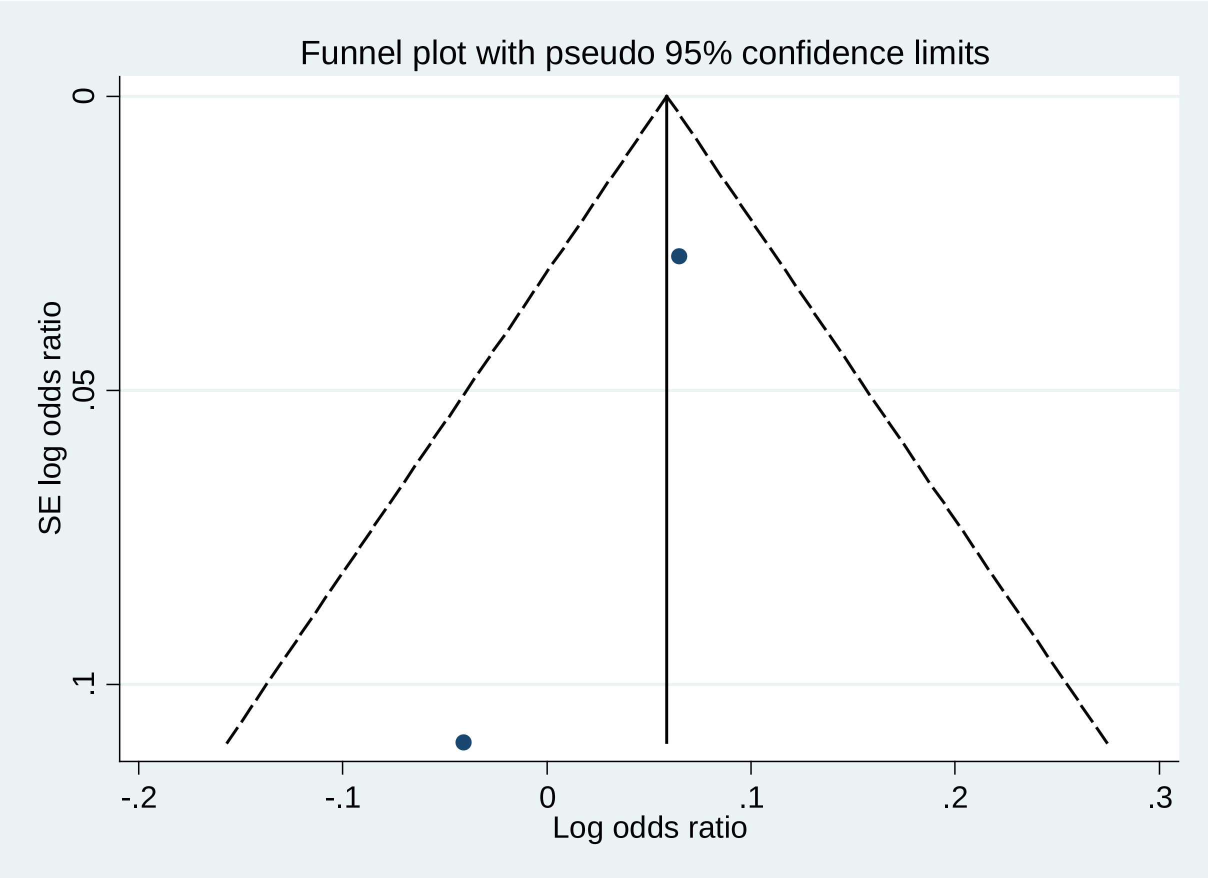
Test of ES=1 : z= 2.22 p = 0.026



Heterogeneity chi-squared = 0.87 (d.f. = 1) p = 0.351
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.7391378	.95899474	2



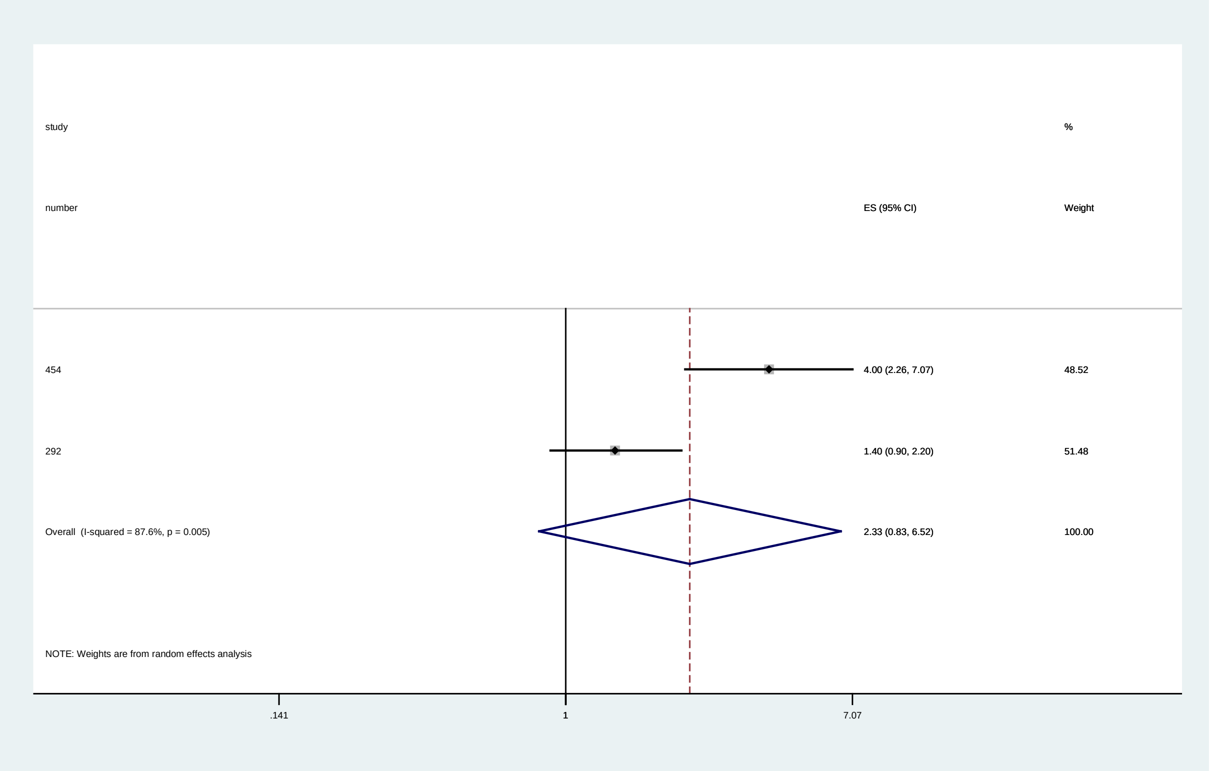
Test of H0: no small-study effects P = .

9.5.90 Meta-analysis: code 270102

Exposure	Outcome	Recidivism	Population
Non-schizophrenia	Violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
454	4.000	2.260	7.070	48.52
292	1.400	0.900	2.200	51.48
D+L pooled ES	2.330	0.833	6.516	100.00

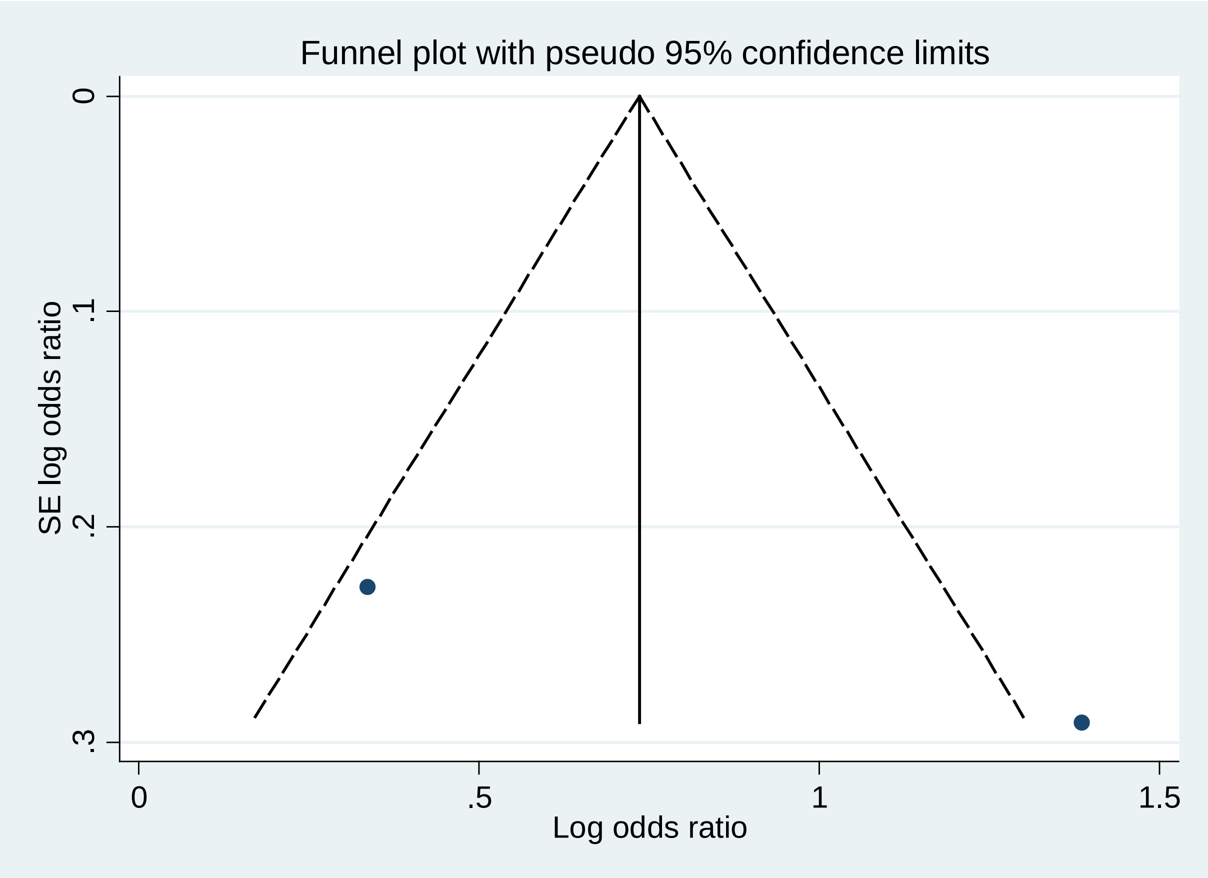
Test of ES=1 : z= 1.61 p = 0.107



Heterogeneity chi-squared = 8.07 (d.f. = 1) p = 0.005
I-squared (variation in ES attributable to heterogeneity) = 87.6%
Estimate of between-study variance Tau-squared = 0.4827

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.14696941	.55842192	2



Test of H0: no small-study effects P = .

9.5.91 Meta-analysis: code 270105

Exposure	Outcome	Recidivism	Population
Non-schizophrenia	Violent crime	Yes	non-incarcerated juvenile offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.92	.72	5.14

Meta-analysis of Bonferroni-corrected p-values

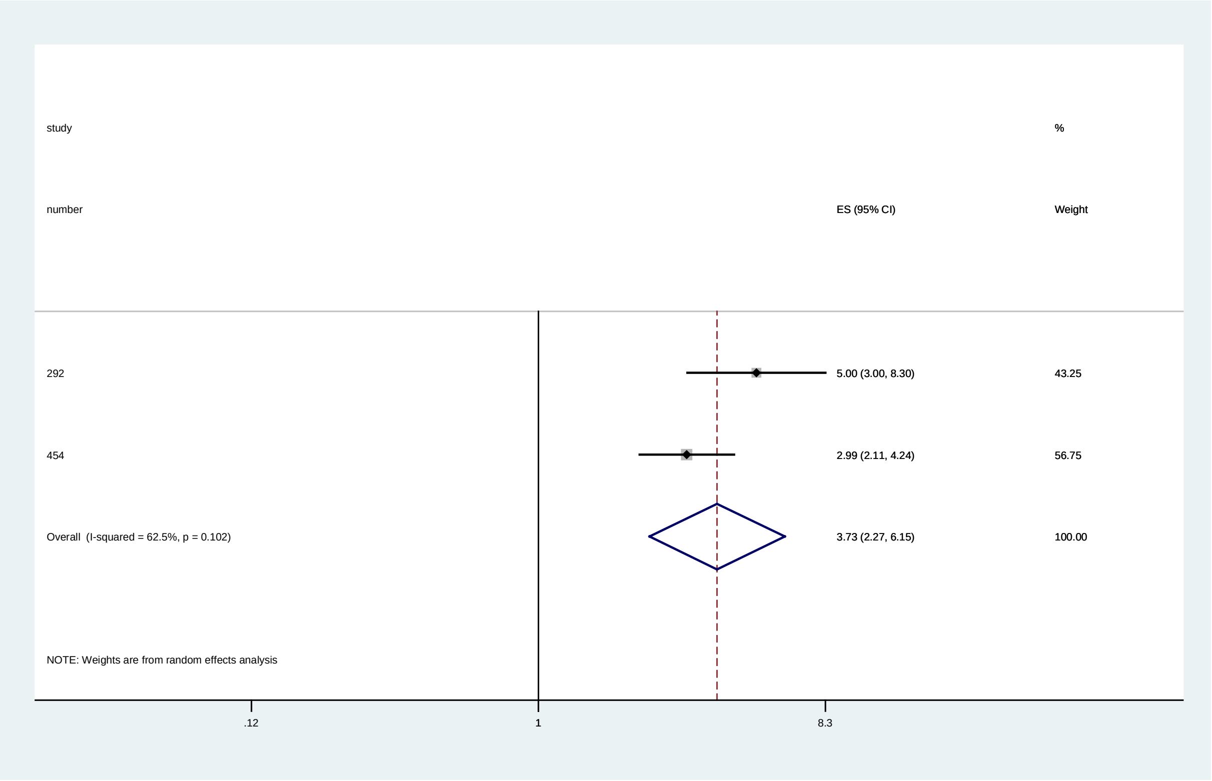
Method	Z	p_value	studies
Edgington, Normal	-1.29578	.90247436	2

9.5.92 Meta-analysis: code 270302

Exposure	Outcome	Recidivism	Population
Non-schizophrenia	Drug-related crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
292	5.000	3.000	8.300	43.25
454	2.990	2.110	4.240	56.75
D+L pooled ES	3.735	2.267	6.153	100.00

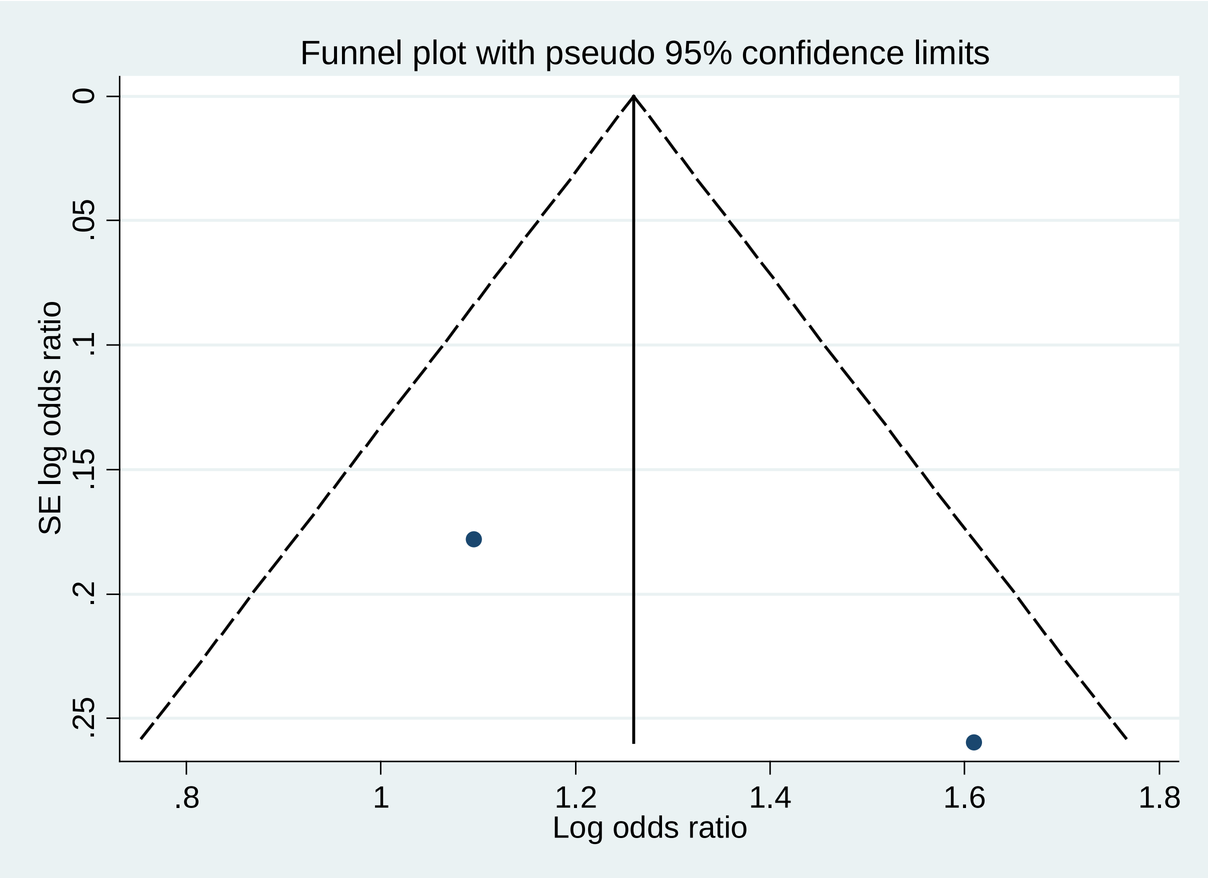
Test of ES=1 : z= 5.17 p = 0.000



Heterogeneity chi-squared = 2.67 (d.f. = 1) p = 0.102
I-squared (variation in ES attributable to heterogeneity) = 62.5%
Estimate of between-study variance Tau-squared = 0.0826

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.1286066	.01664341	2



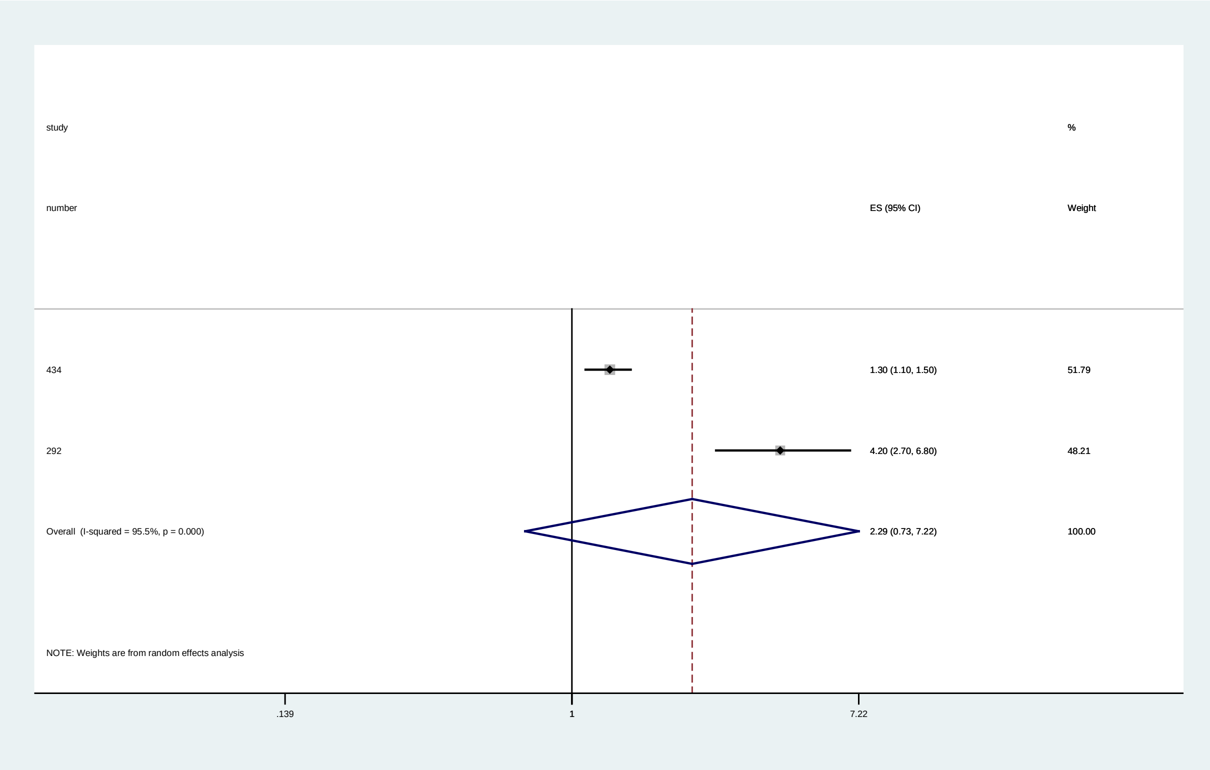
Test of H0: no small-study effects   P =   .

9.5.93 Meta-analysis: code 270402

Exposure	Outcome	Recidivism	Population
Non-schizophrenia	Frequent violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
434	1.300	1.100	1.500	51.79
292	4.200	2.700	6.800	48.21
D+L pooled ES	2.288	0.726	7.215	100.00

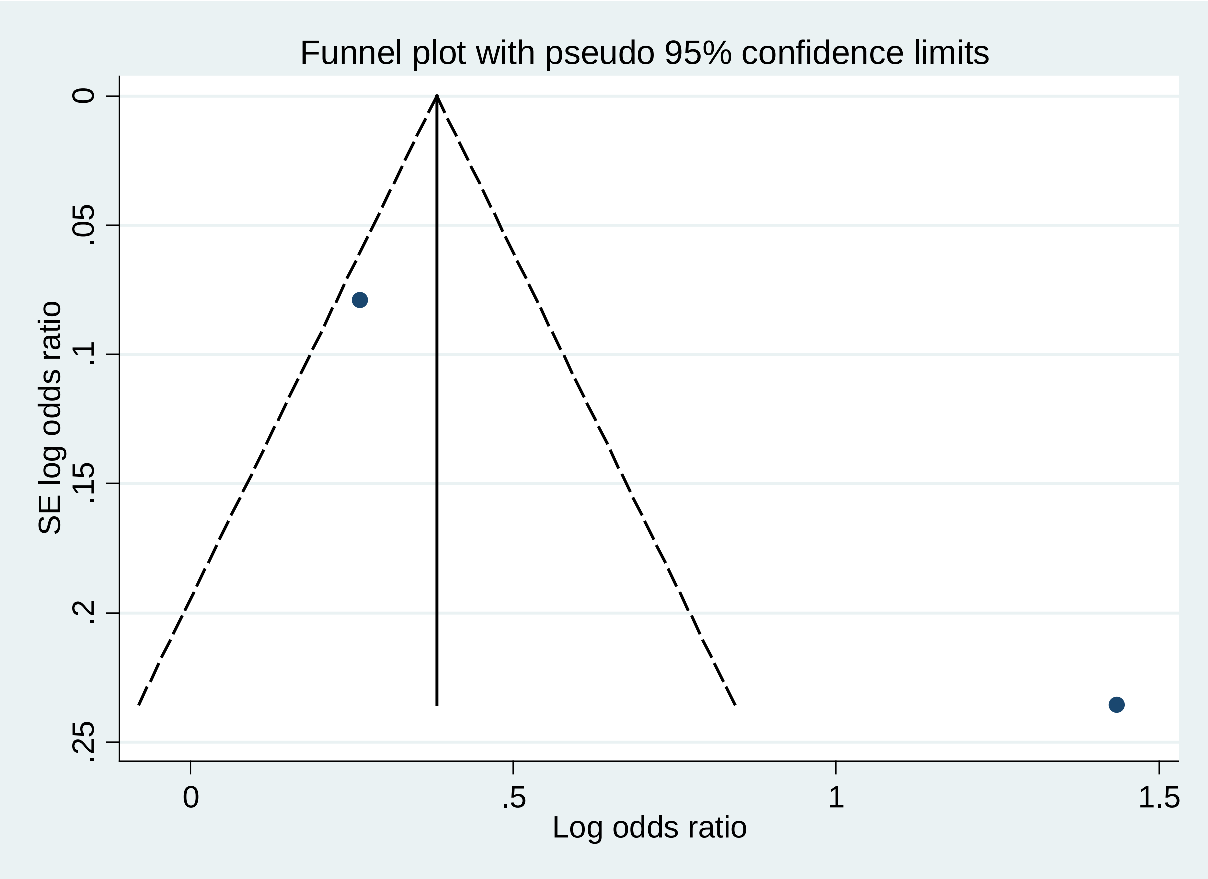
Test of ES=1 : z= 1.41 p = 0.158



Heterogeneity chi-squared = 22.26 (d.f. = 1) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 95.5%
Estimate of between-study variance Tau-squared = 0.6567

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.3392626	.00966092	2



Test of H0: no small-study effects P = .

9.5.94 Meta-analysis: code 271605

Exposure	Outcome	Recidivism	Population
Non-schizophrenia	Criminality	Yes	non-incarcerated juvenile offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.86	.	.

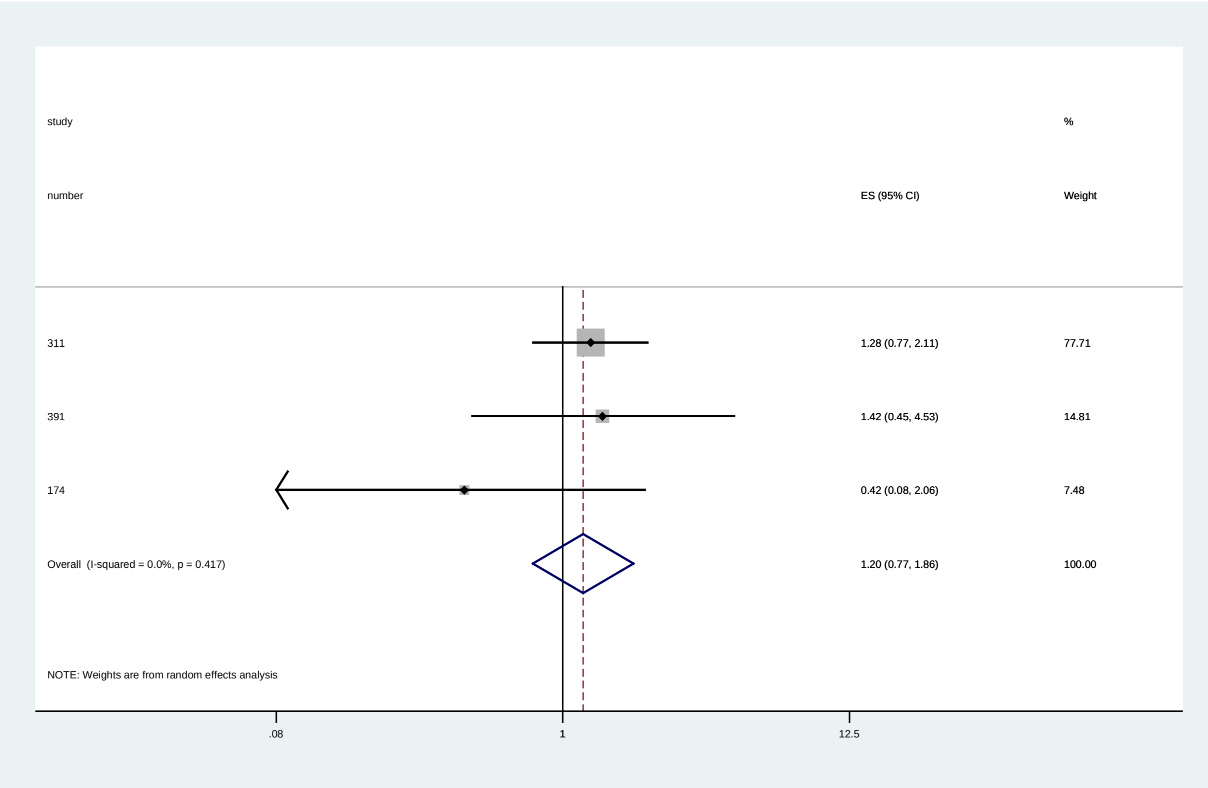
Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.03184339	.51270153	2

9.5.95 Meta-analysis: code 280106

Exposure	Outcome	Recidivism	Population
Schizophrenia-spectrum	Violent crime	Yes	Non-incarcerated offenders

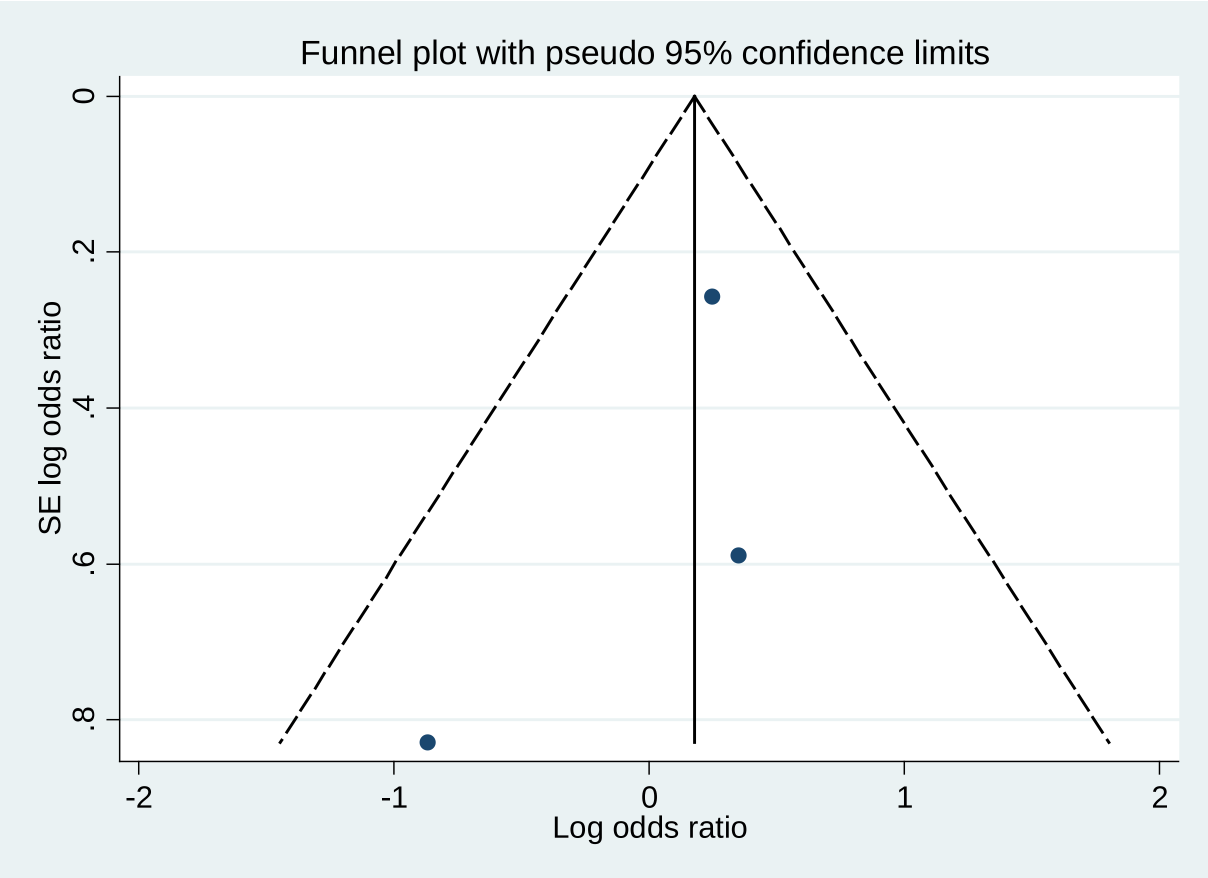
```
          Study       |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
311                   |  1.280       0.770     2.110         77.71
391                   |  1.420       0.450     4.530         14.81
174                   |  0.420       0.080     2.060          7.48
---------------------+---------------------------------------------------
D+L pooled ES         |  1.196       0.767     1.865        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.79 p = 0.430
```




```
Heterogeneity chi-squared =   1.75 (d.f. = 2) p = 0.417
I-squared (variation in ES attributable to heterogeneity) =   0.0%
Estimate of between-study variance Tau-squared =  0.0000

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -3.3948196   .99965663    4
--------------------------------------------------------------
```



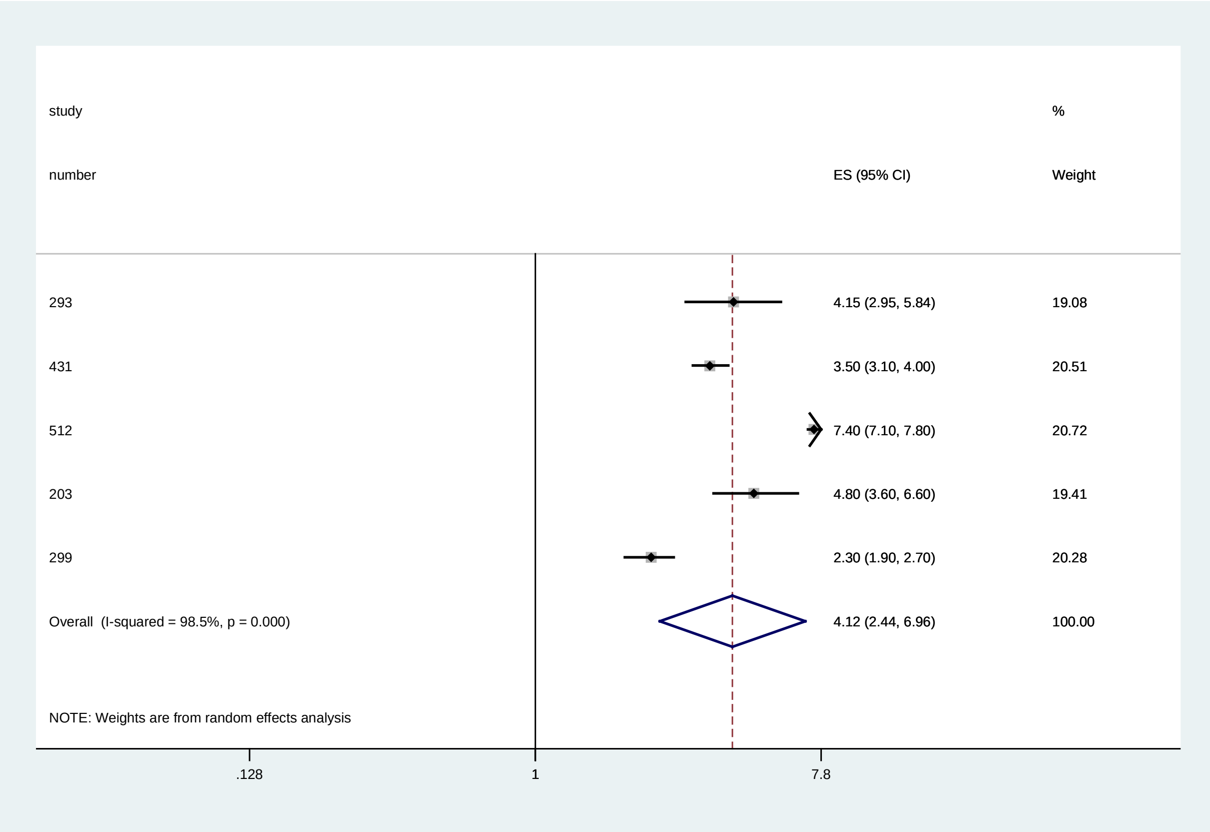
Test of H0: no small-study effects   P = 0.529

9.5.96 Meta-analysis: code 280107

Exposure	Outcome	Recidivism	Population
Schizophrenia spectrum	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
293	4.149	2.949	5.838	19.08
431	3.500	3.100	4.000	20.51
512	7.400	7.100	7.800	20.72
203	4.800	3.600	6.600	19.41
299	2.300	1.900	2.700	20.28
D+L pooled ES	4.123	2.442	6.960	100.00

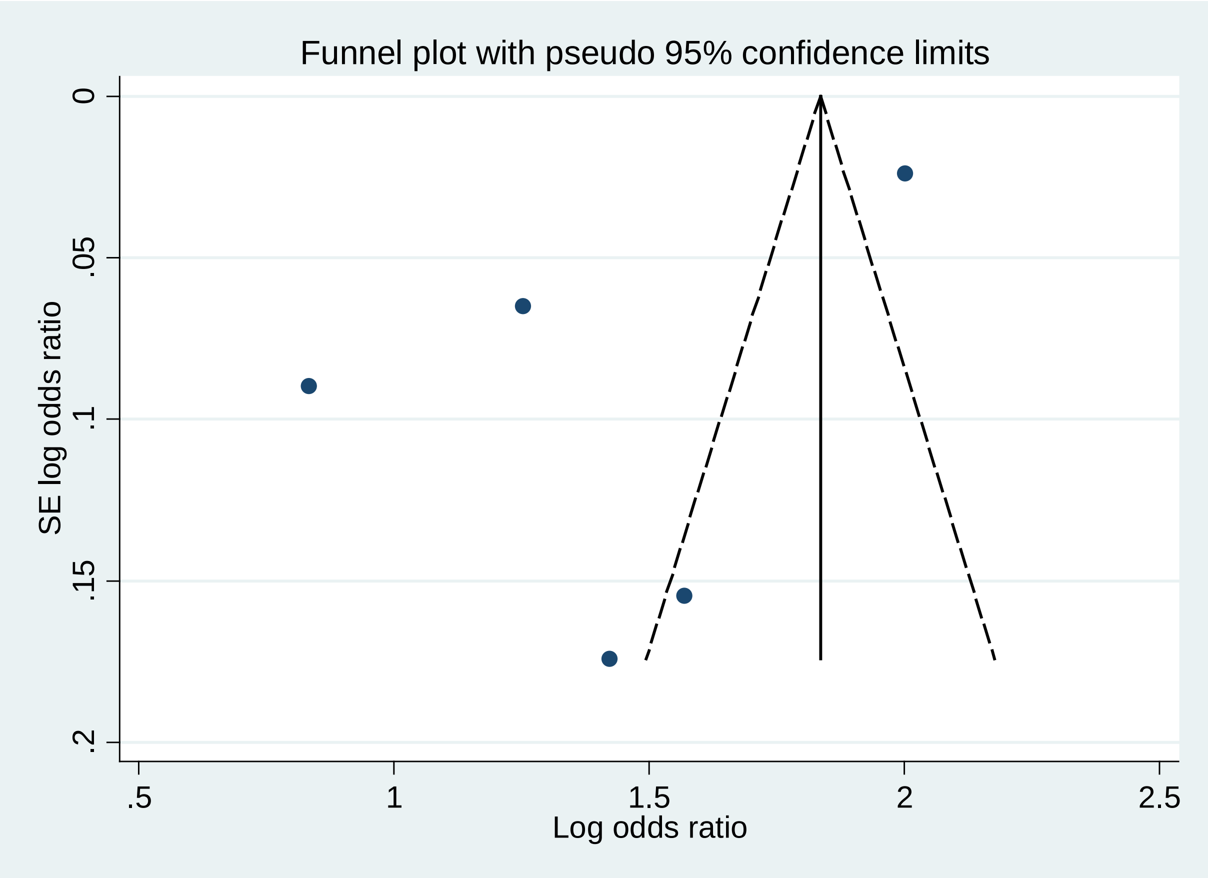
Test of ES=1 : z= 5.30 p = 0.000



Heterogeneity chi-squared = 261.87 (d.f. = 4) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 98.5%
Estimate of between-study variance Tau-squared = 0.3439

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	3.8565154	.00005751	5




```
Test of H0: no small-study effects          P = 0.467
```

9.5.97 Meta-analysis: code 281606

Exposure	Outcome	Recidivism	Population
Schizophrenia-spectrum	Criminality	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.32	.	.

Meta-analysis of Bonferroni-corrected p-values

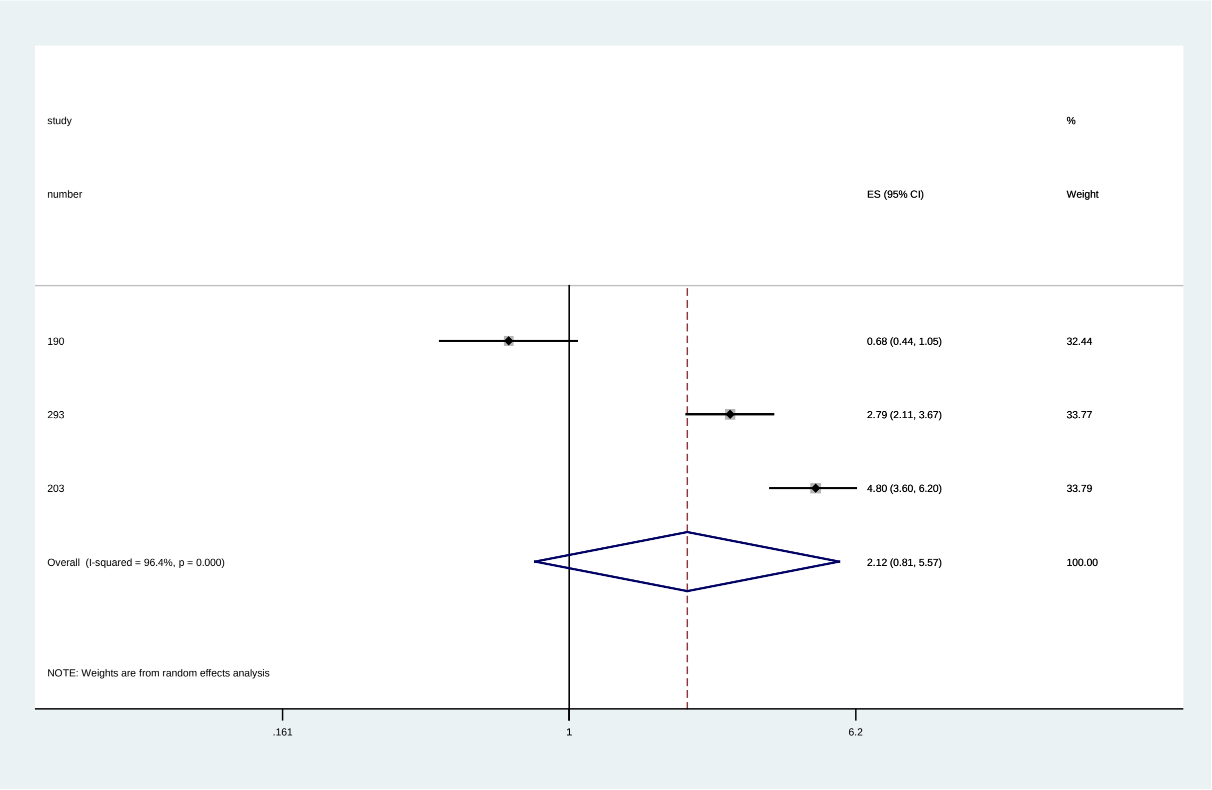
Method	Z	p_value	studies
Edgington, Normal	-1.1537097	.8756904	2

9.5.98 Meta-analysis: code 281607

Exposure	Outcome	Recidivism	Population
schizophrenia-spectrum	Criminality	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
190	0.680	0.440	1.050	32.44
293	2.787	2.112	3.665	33.77
203	4.800	3.600	6.200	33.79
D+L pooled ES	2.119	0.806	5.574	100.00

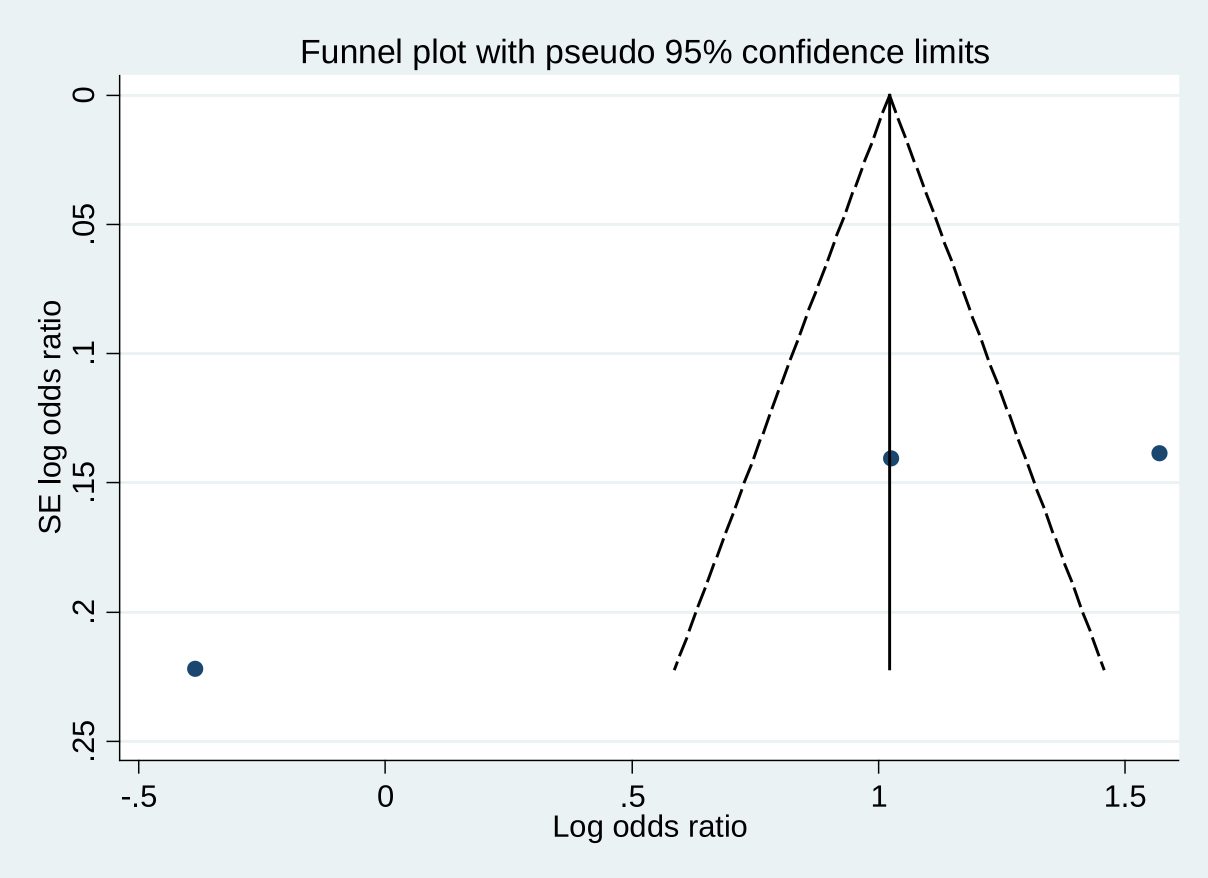
Test of ES=1 : z= 1.52 p = 0.128



Heterogeneity chi-squared = 55.78 (d.f. = 2) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 96.4%
Estimate of between-study variance Tau-squared = 0.7011

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.6653457	.0479219	3



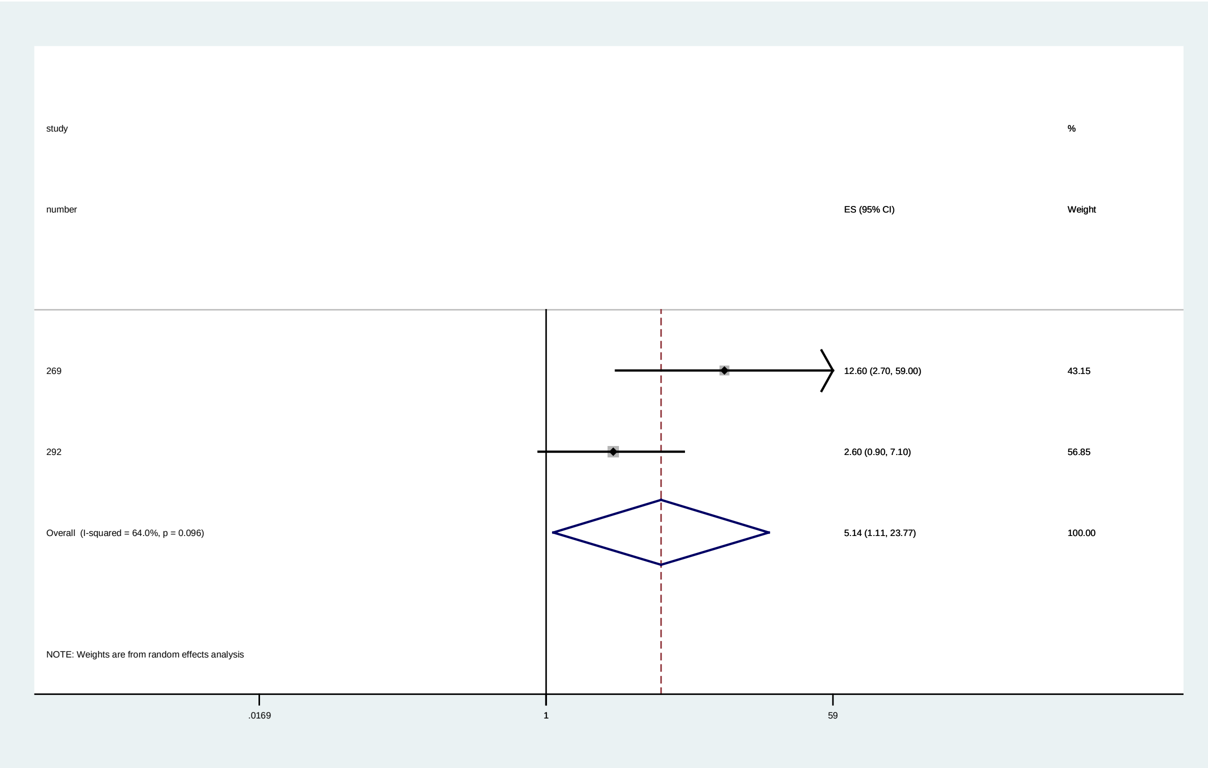
Test of H0: no small-study effects P = 0.222

9.5.99 Meta-analysis: code 300102

Exposure	Outcome	Recidivism	Population
Depression	Violent crime	No	General population

Study	ES	[95% Conf. Interval]		% Weight
269	12.600	2.700	59.000	43.15
292	2.600	0.900	7.100	56.85
D+L pooled ES	5.137	1.110	23.770	100.00

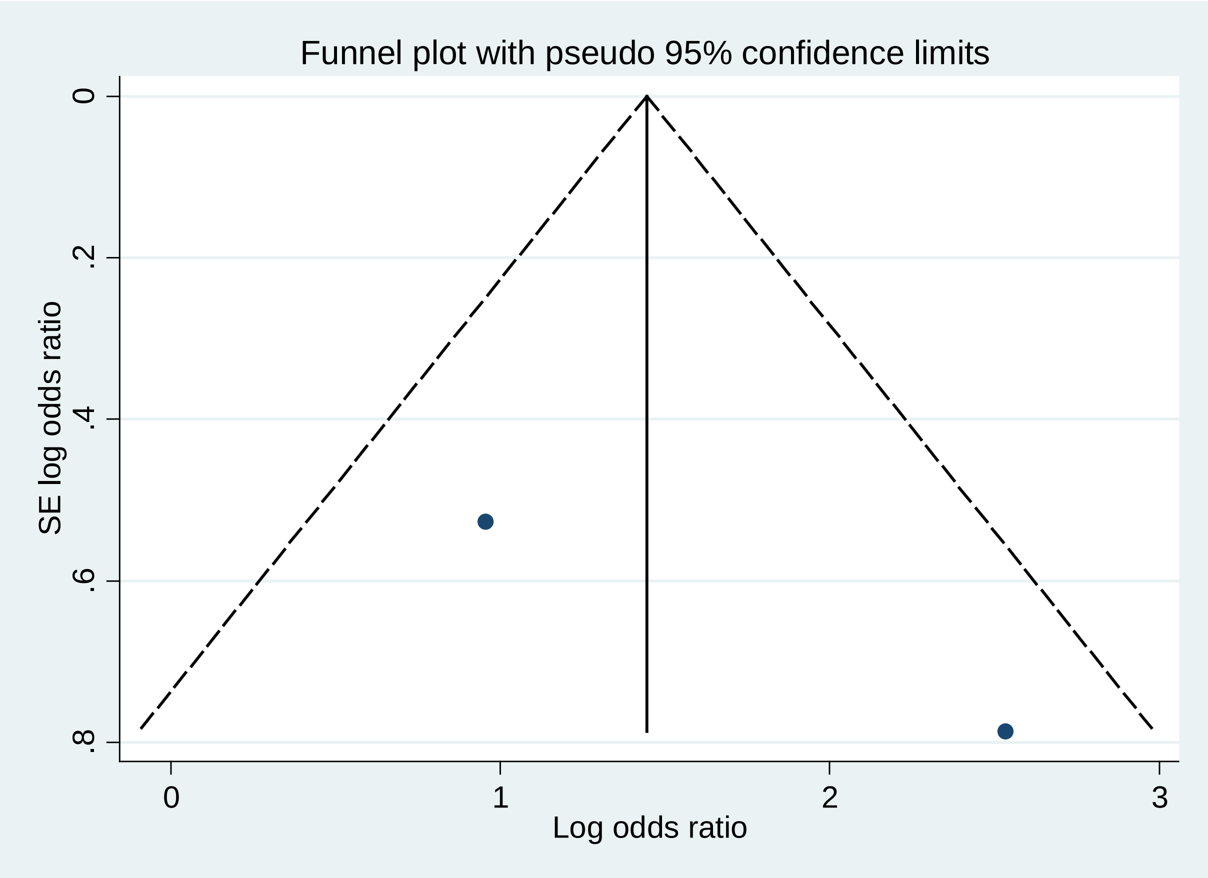
Test of ES=1 : z= 2.09 p = 0.036



Heterogeneity chi-squared = 2.78 (d.f. = 1) p = 0.096
I-squared (variation in ES attributable to heterogeneity) = 64.0%
Estimate of between-study variance Tau-squared = 0.7970

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.08328267	.53318661	2



Test of H0: no small-study effects   P =   .

9.5.100 Meta-analysis: code 300106

Exposure	Outcome	Recidivism	Population
Depression	Violent crime	Yes	Non-incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.28	.82	2

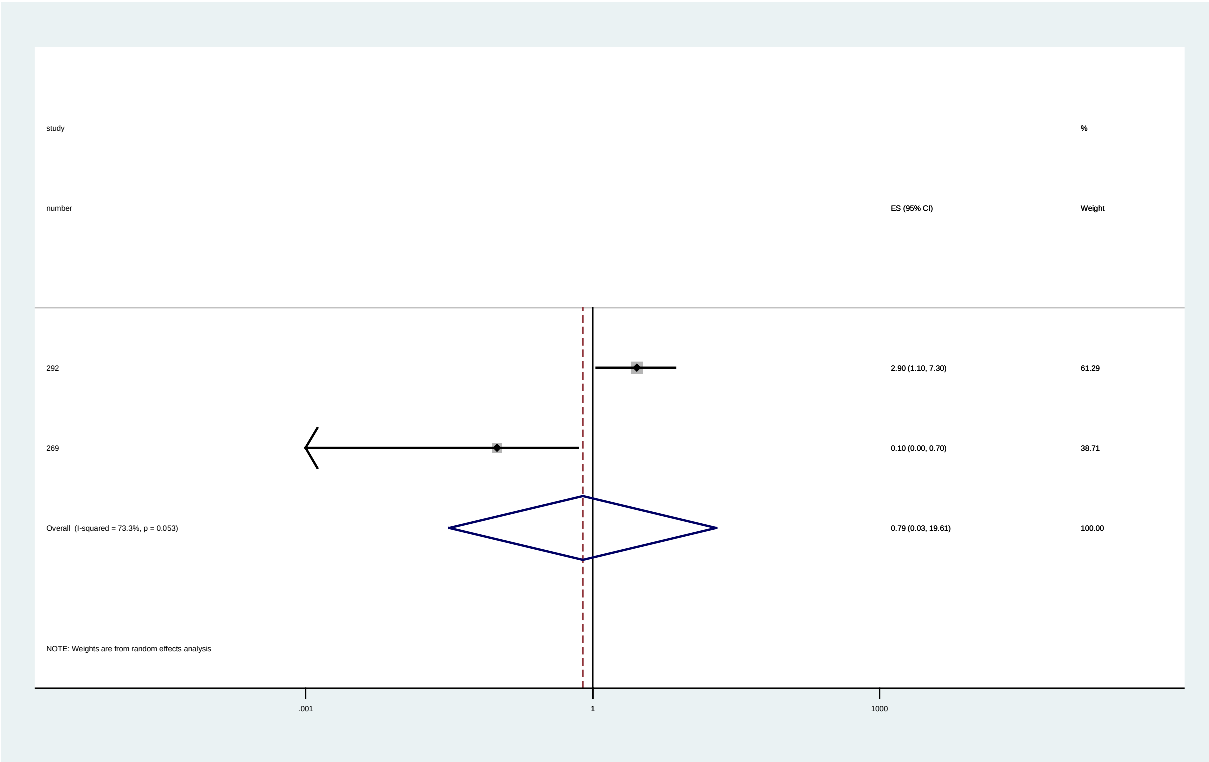
Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.101 Meta-analysis: code 300202

Exposure	Outcome	Recidivism	Population
Depression	Property crime	No	General population

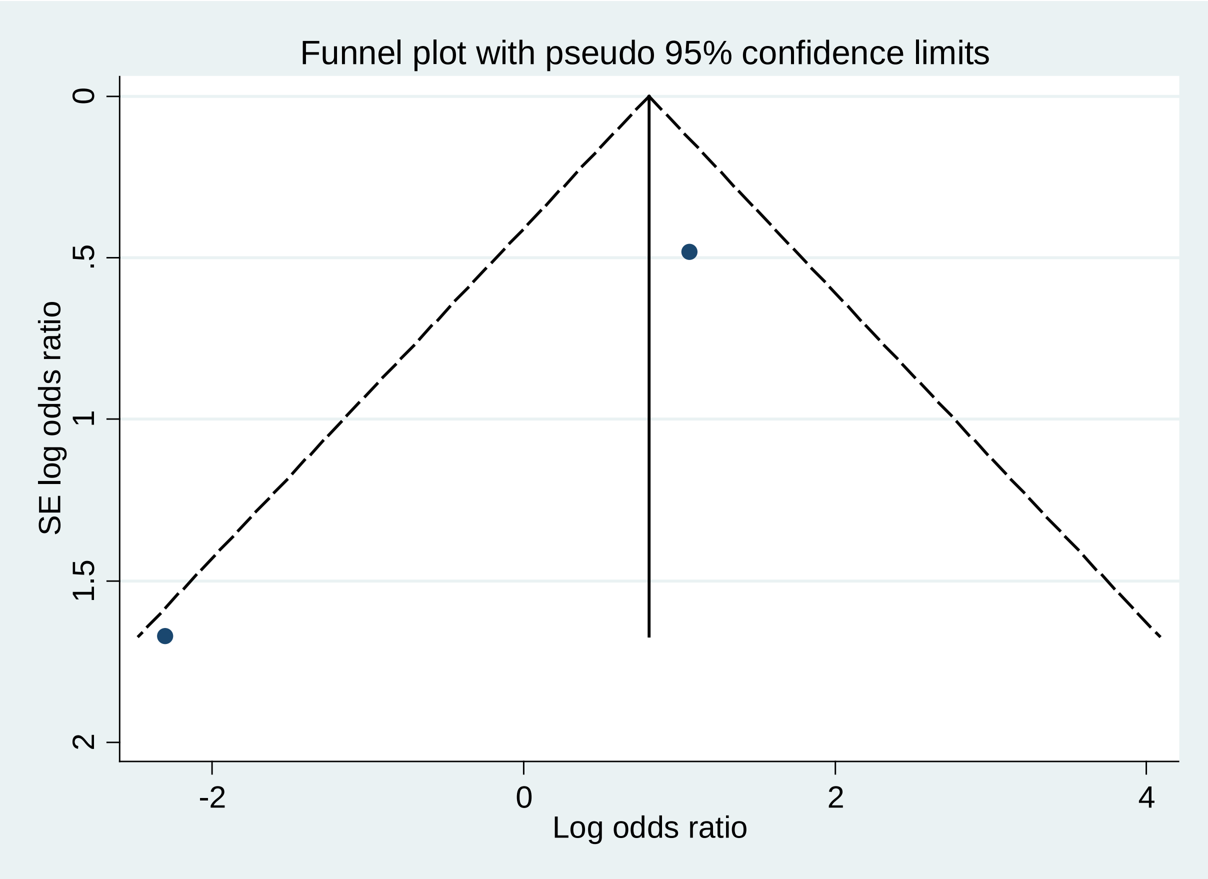
```
            Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
292                  |  2.900       1.100     7.300          61.29
269                  |  0.100       0.001     0.700          38.71
---------------------+---------------------------------------------------
D+L pooled ES        |  0.788       0.032    19.607         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.15 p = 0.884
```




```
Heterogeneity chi-squared =   3.75 (d.f. = 1) p = 0.053
I-squared (variation in ES attributable to heterogeneity) =  73.3%
Estimate of between-study variance Tau-squared =  4.1563

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -2.4005      .99181365    2
--------------------------------------------------------------
```



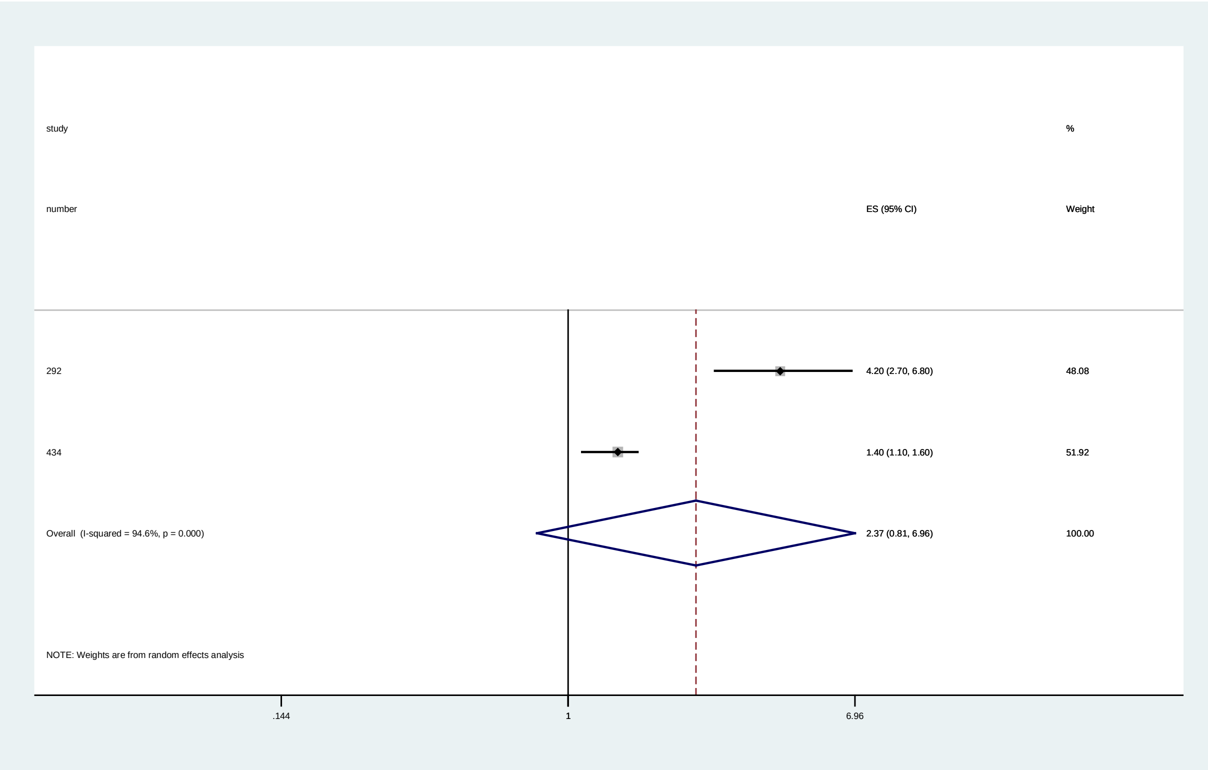
Test of H0: no small-study effects P = .

9.5.102 Meta-analysis: code 300402

Exposure	Outcome	Recidivism	Population
Depression	Frequent violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
292	4.200	2.700	6.800	48.08
434	1.400	1.100	1.600	51.92
D+L pooled ES	2.374	0.810	6.962	100.00

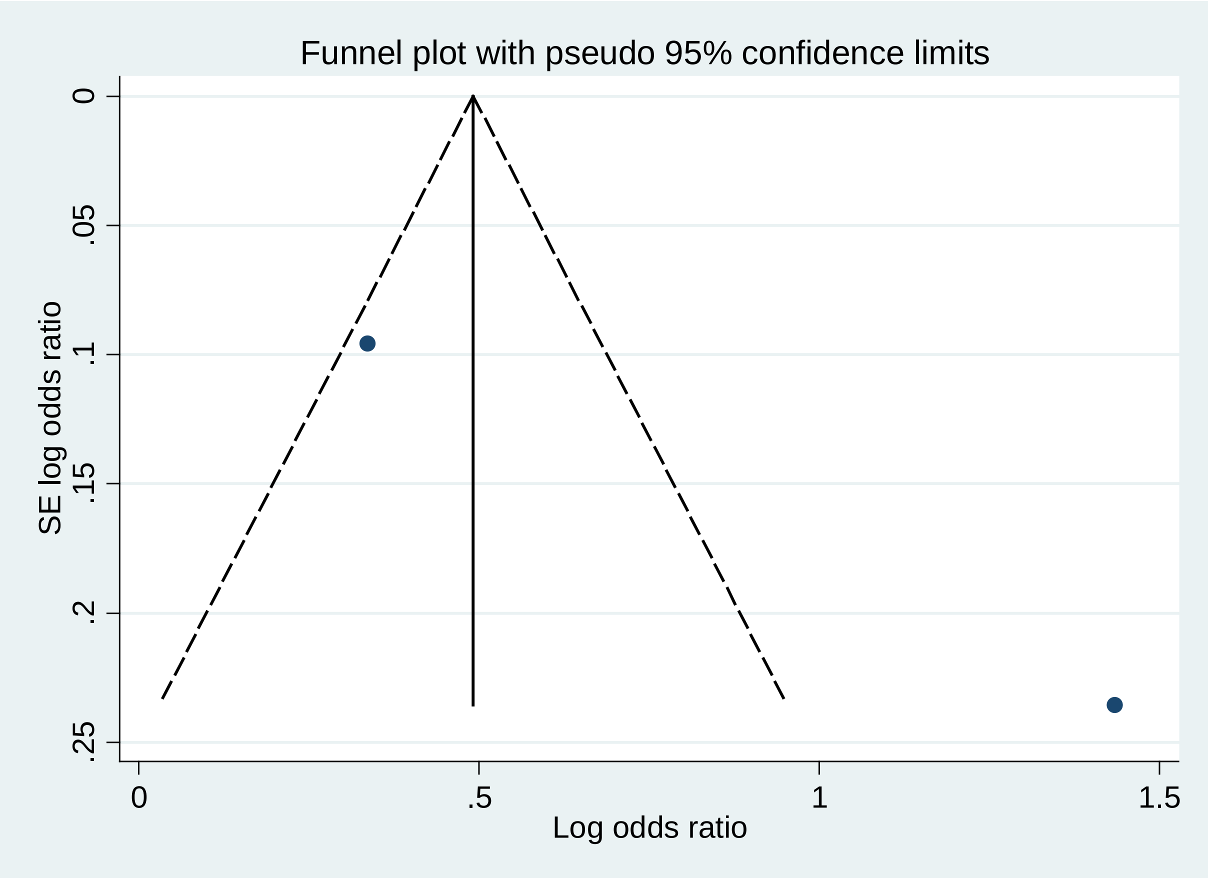
Test of ES=1 : z= 1.58 p = 0.115



Heterogeneity chi-squared = 18.67 (d.f. = 1) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 94.6%
Estimate of between-study variance Tau-squared = 0.5711

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.3392626	.00966092	2



Test of H0: no small-study effects   P =   .

9.5.103 Meta-analysis: code 301605

Exposure	Outcome	Recidivism	Population
Depression	Criminality	Yes	Non-incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.21	.92	1.56
1.16	.	.

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.104 Meta-analysis: code 302302

Exposure	Outcome	Recidivism	Population
Depression	Antisocial behaviour	No	General population

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
3.6	1	15.1

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.09553012	.53805312	2

9.5.105 Meta-analysis: code 340101

Exposure	Outcome	Recidivism	Population
Childhood adversity	Violent crime	Yes	Sex offender

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.7	1.14	2.53

Meta-analysis of Bonferroni-corrected p-values

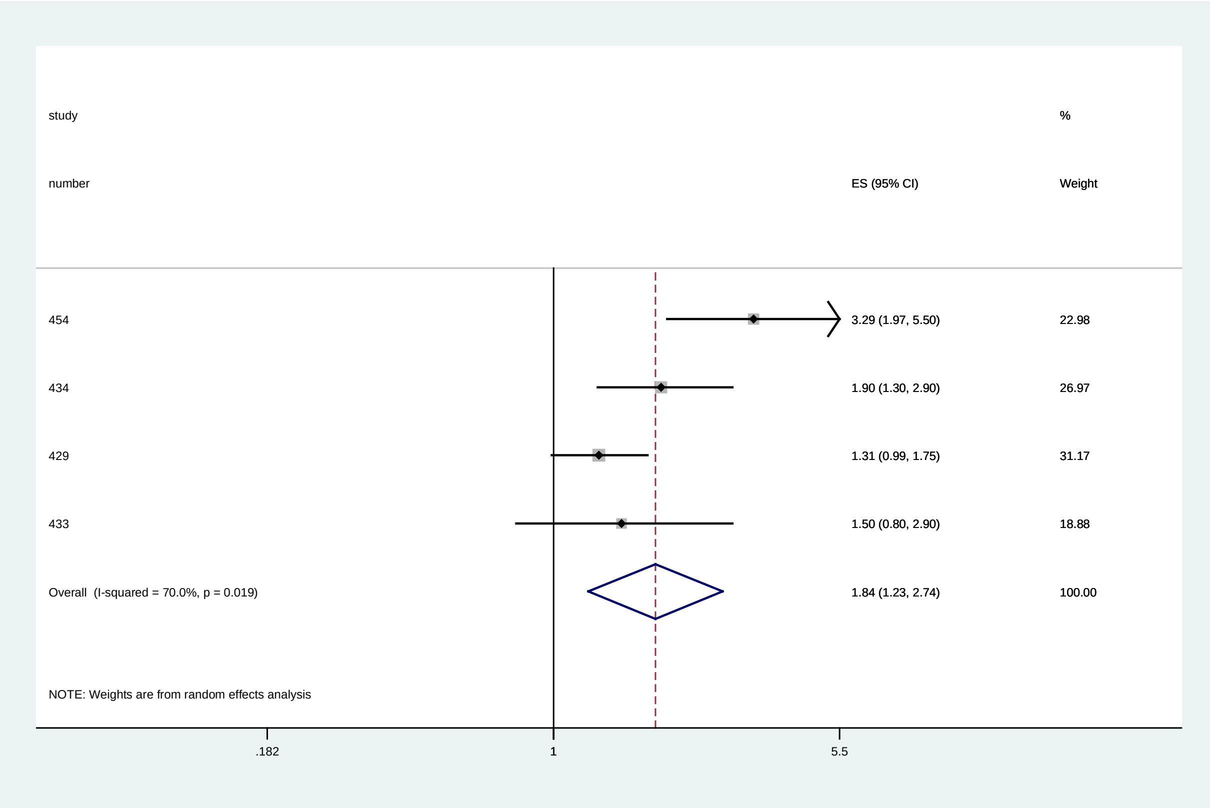
Method	Z	p_value	studies
Edgington, Normal	.40416582	.34304539	2

9.5.106 Meta-analysis: code 340102

Exposure	Outcome	Recidivism	Population
Childhood adversity	Violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
454	3.290	1.970	5.500	22.98
434	1.900	1.300	2.900	26.97
429	1.310	0.990	1.750	31.17
433	1.500	0.800	2.900	18.88
D+L pooled ES	1.836	1.231	2.738	100.00

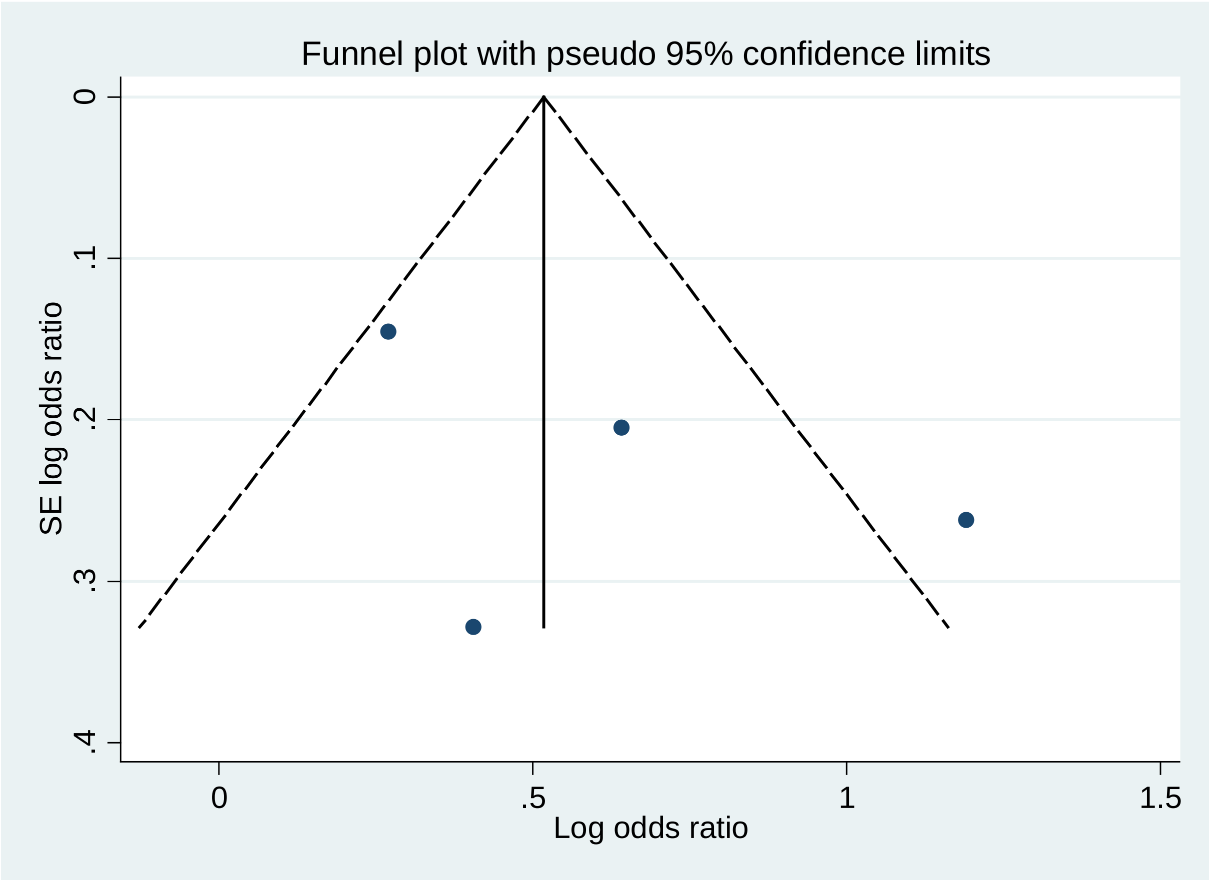
Test of ES=1 : z= 2.98 p = 0.003



Heterogeneity chi-squared = 9.99 (d.f. = 3) p = 0.019
I-squared (variation in ES attributable to heterogeneity) = 70.0%
Estimate of between-study variance Tau-squared = 0.1122

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.86602542	.80676189	4



Test of H0: no small-study effects P = 0.396

9.5.107 Meta-analysis: code 340105

Exposure	Outcome	Recidivism	Population
Childhood adversity	Violent crime	Yes	non-incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

```
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
      .65              .26         1.65
```

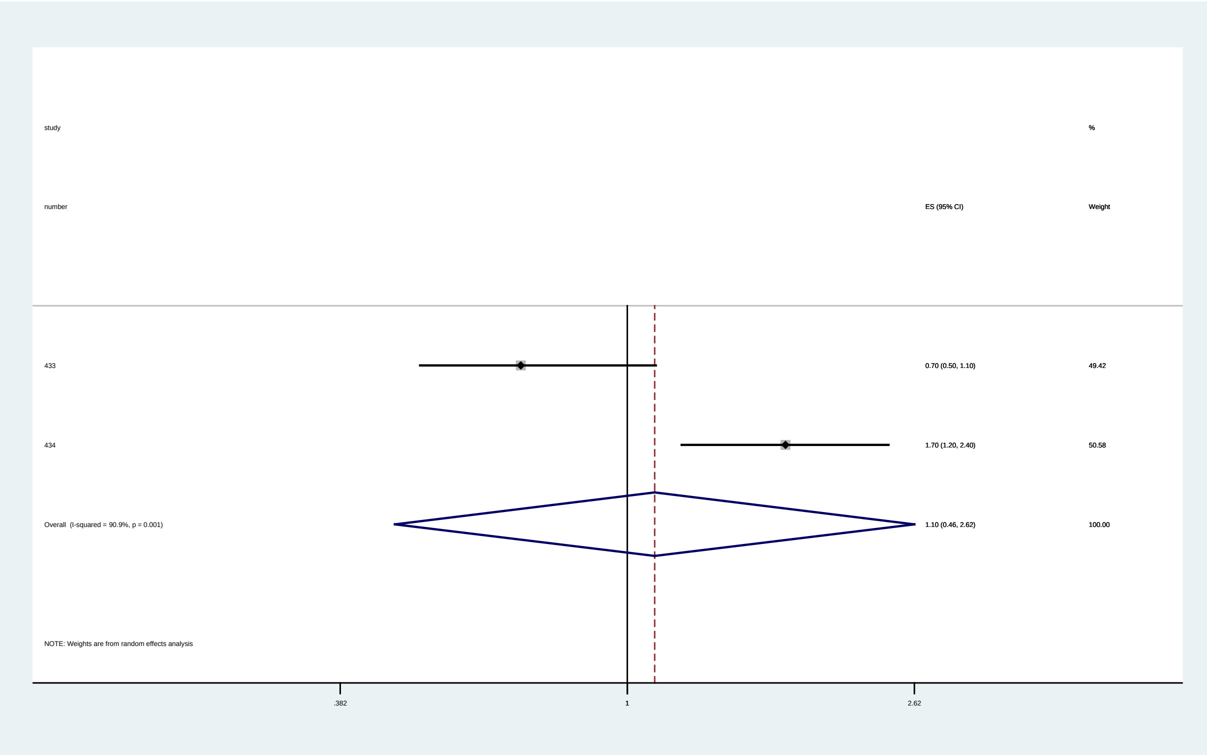
Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.29578     .90247436    2
--------------------------------------------------------------
```

9.5.108 Meta-analysis: code 340202

Exposure	Outcome	Recidivism	Population
Childhood adversity	Property crime	No	General population

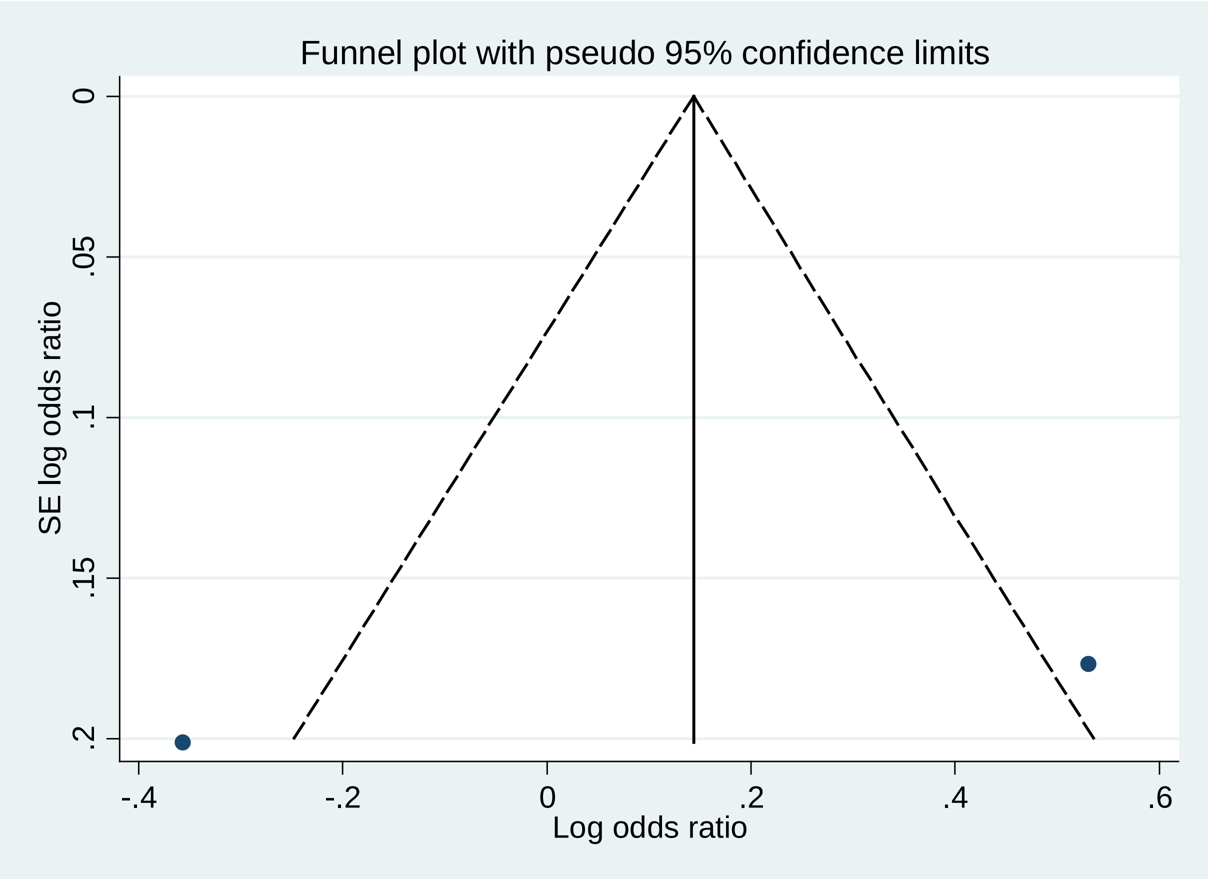
```
           Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
433                  |  0.700       0.500     1.100          49.42
434                  |  1.700       1.200     2.400          50.58
---------------------+---------------------------------------------------
D+L pooled ES        |  1.097       0.460     2.616         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.21 p = 0.835
```




```
Heterogeneity chi-squared =  10.98 (d.f. = 1) p = 0.001
I-squared (variation in ES attributable to heterogeneity) =  90.9%
Estimate of between-study variance Tau-squared =  0.3578

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.0777755   .85943302    2
--------------------------------------------------------------
```

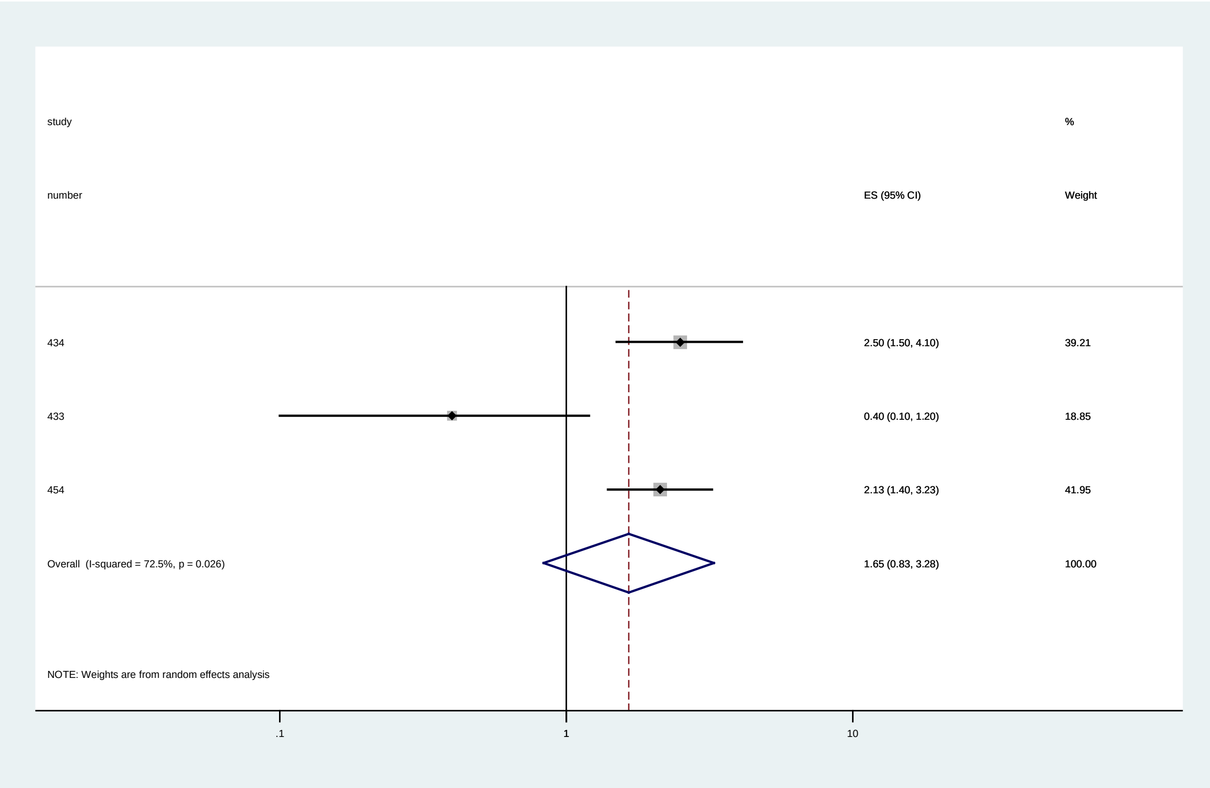


Test of H0: no small-study effects P = .

9.5.109 Meta-analysis: code 340302

Exposure	Outcome	Recidivism	Population
Childhood adversity	Drug-related crime	No	General population

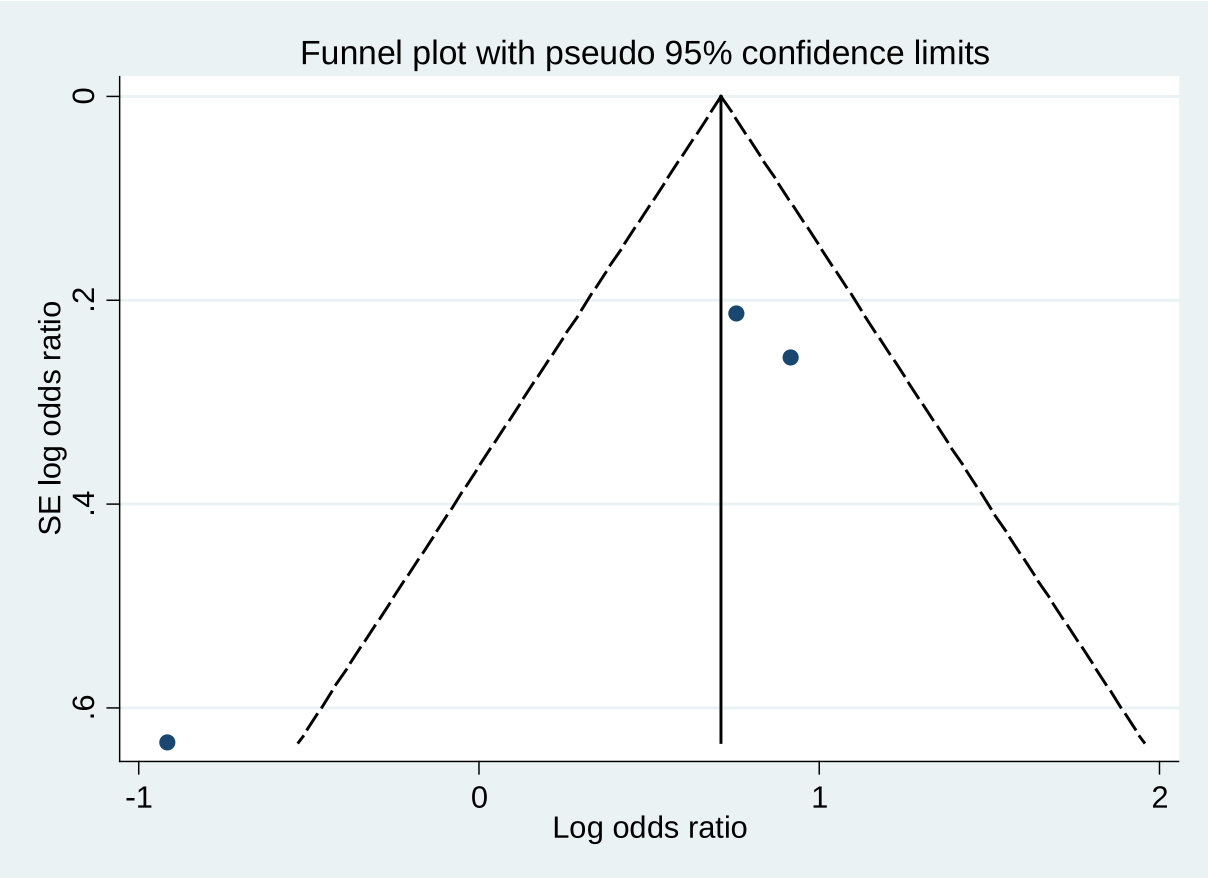
```
            Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
434                  |  2.500       1.500     4.100         39.21
433                  |  0.400       0.100     1.200         18.85
454                  |  2.130       1.400     3.230         41.95
---------------------+---------------------------------------------------
D+L pooled ES        |  1.655       0.835     3.281        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   1.44 p = 0.149
```




```
Heterogeneity chi-squared =   7.27 (d.f. = 2) p = 0.026
I-squared (variation in ES attributable to heterogeneity) =  72.5%
Estimate of between-study variance Tau-squared =  0.2452

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                | Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |  -.47         .68082249    3
--------------------------------------------------------------
```



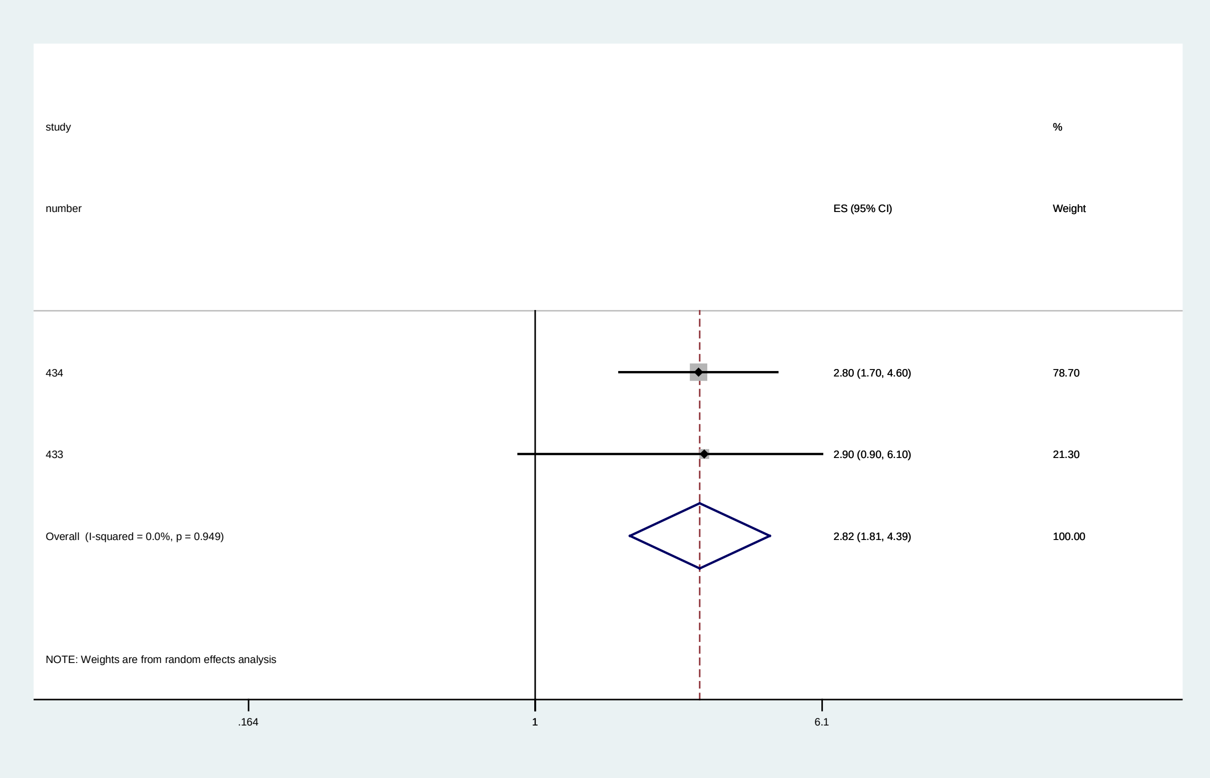
Test of H0: no small-study effects P = 0.246

9.5.110 Meta-analysis: code 340402

Exposure	Outcome	Recidivism	Population
Childhood adversity	Frequent violent crime	No	General population

Study	ES	[95% Conf. Interval]		% Weight
434	2.800	1.700	4.600	78.70
433	2.900	0.900	6.100	21.30
D+L pooled ES	2.821	1.814	4.387	100.00

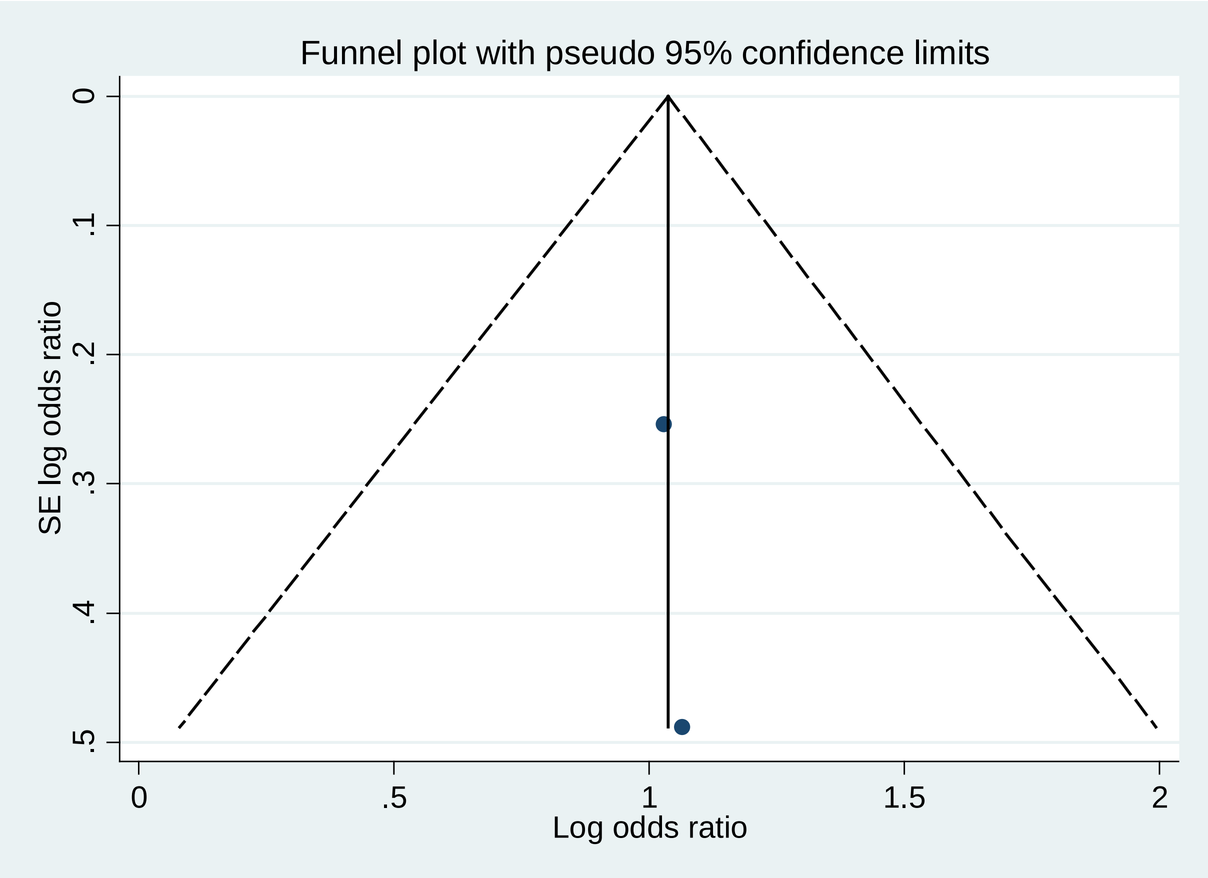
Test of ES=1 : z= 4.60 p = 0.000



Heterogeneity chi-squared = 0.00 (d.f. = 1) p = 0.949
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.08573217	.53416034	2



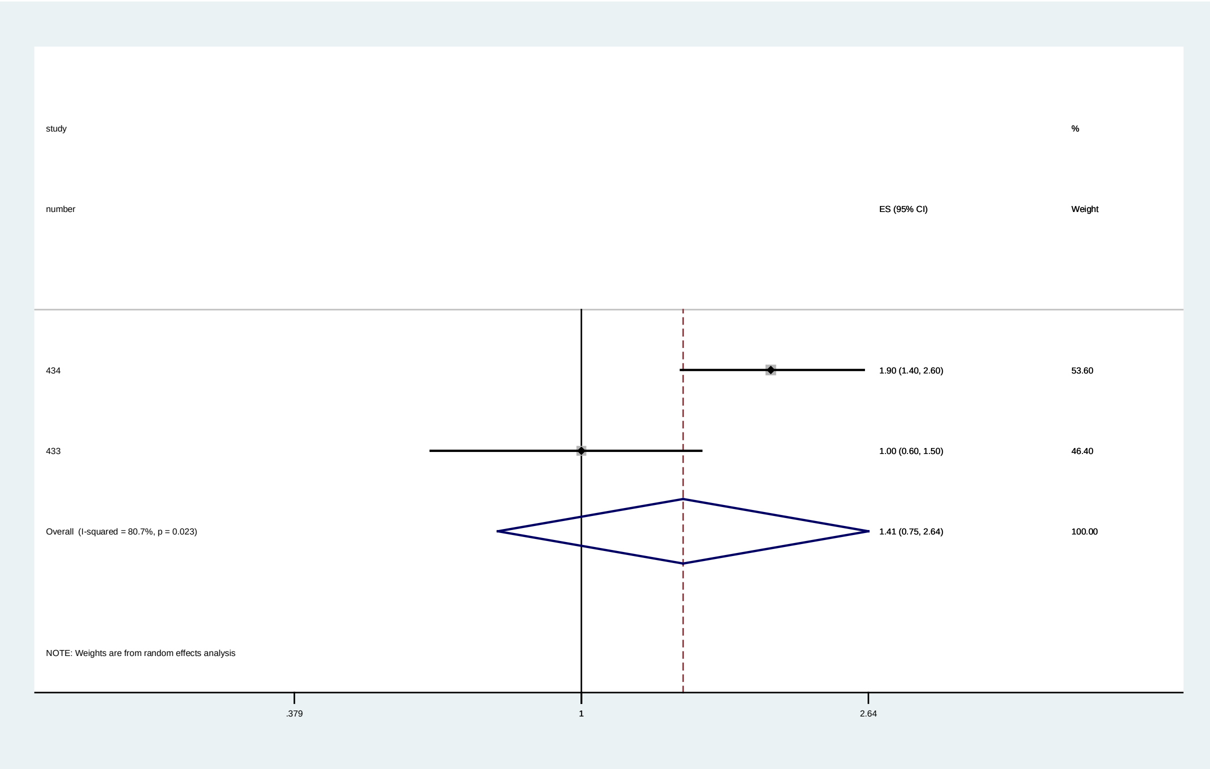
Test of H0: no small-study effects P = .

9.5.111 Meta-analysis: code 341402

Exposure	Outcome	Recidivism	Population
Childhood adversity	Traffic crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
434	1.900	1.400	2.600	53.60
433	1.000	0.600	1.500	46.40
D+L pooled ES	1.411	0.753	2.642	100.00

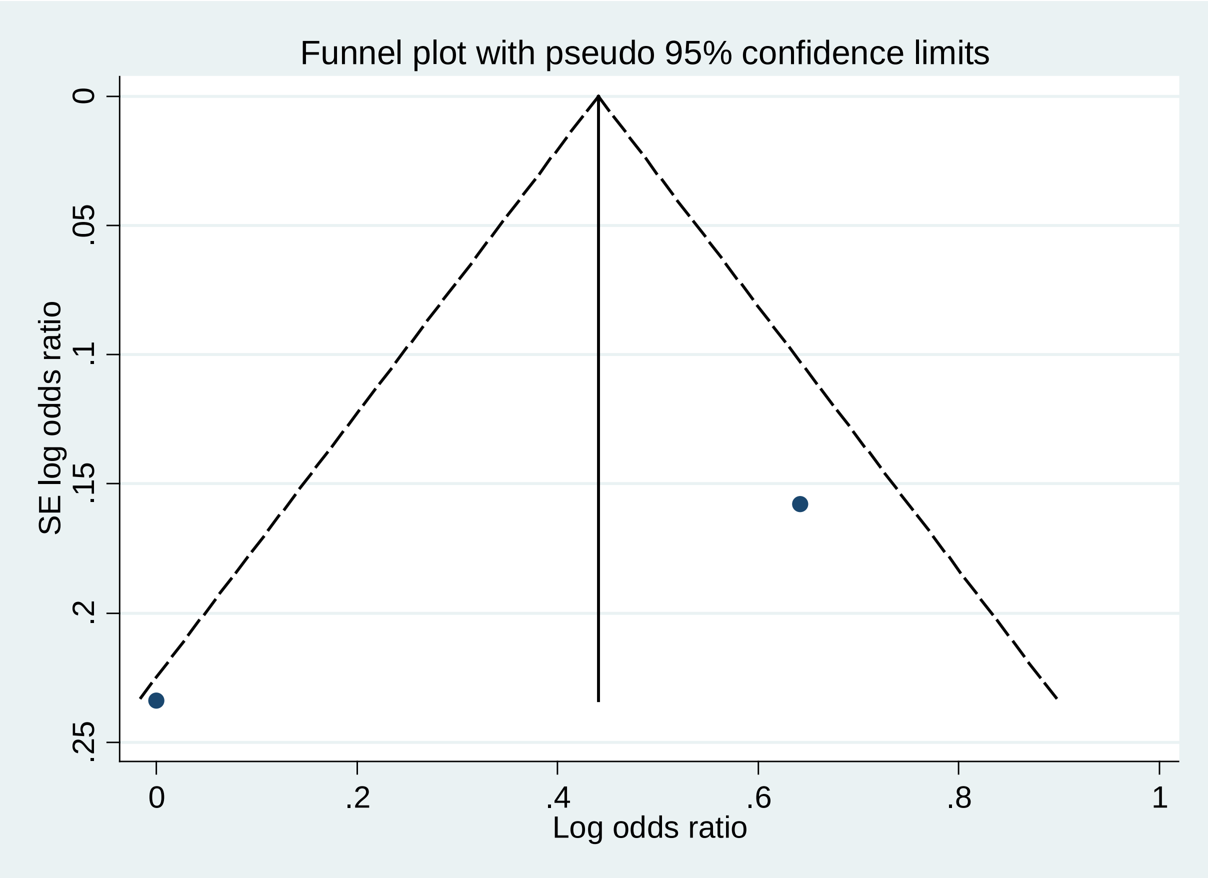
Test of ES=1 : z= 1.07 p = 0.282



Heterogeneity chi-squared = 5.18 (d.f. = 1) p = 0.023
I-squared (variation in ES attributable to heterogeneity) = 80.7%
Estimate of between-study variance Tau-squared = 0.1662

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.08573217	.53416034	2

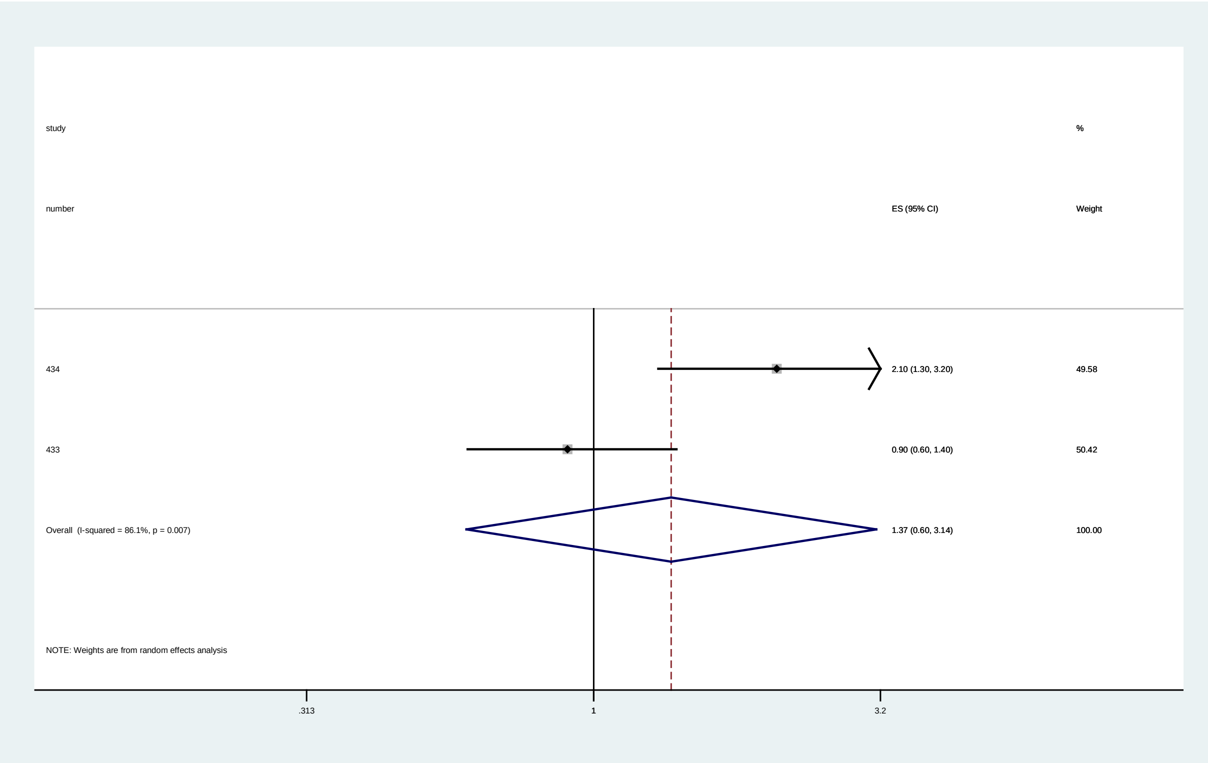


Test of H0: no small-study effects P = .

9.5.112 Meta-analysis: code 341502

Exposure	Outcome	Recidivism	Population
Childhood adversity	Drink driving	No	General population

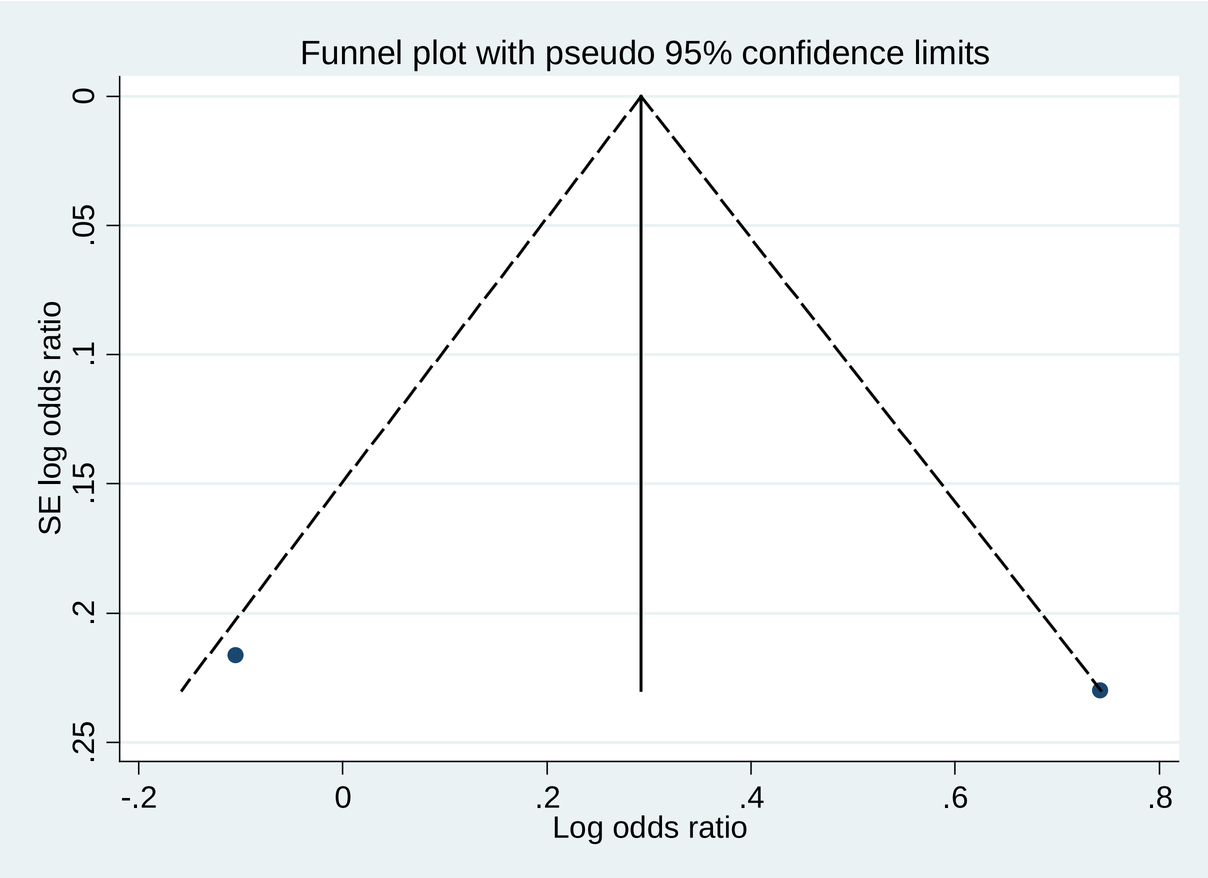
```
            Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
434                  |  2.100       1.300      3.200         49.58
433                  |  0.900       0.600      1.400         50.42
---------------------+---------------------------------------------------
D+L pooled ES        |  1.370       0.597      3.142        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.74 p = 0.458
```




```
Heterogeneity chi-squared =   7.21 (d.f. = 1) p = 0.007
I-squared (variation in ES attributable to heterogeneity) =  86.1%
Estimate of between-study variance Tau-squared =  0.3092

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method               |  Z            p_value      studies
---------------------+----------------------------------------
 Edgington, Normal    |  -1.0777755   .85943302    2
--------------------------------------------------------------
```



Test of H0: no small-study effects   P =   .

9.5.113 Meta-analysis: code 341901

Exposure	Outcome	Recidivism	Population
Childhood adversity	Sex crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.57	1.27	5.19

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.26944389	.60620594	2

9.5.114 Meta-analysis: code 360105

Exposure	Outcome	Recidivism	Population
IQ-related	Violent crime	Yes/No	Non-incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.77	.28	2.11

Meta-analysis of Bonferroni-corrected p-values

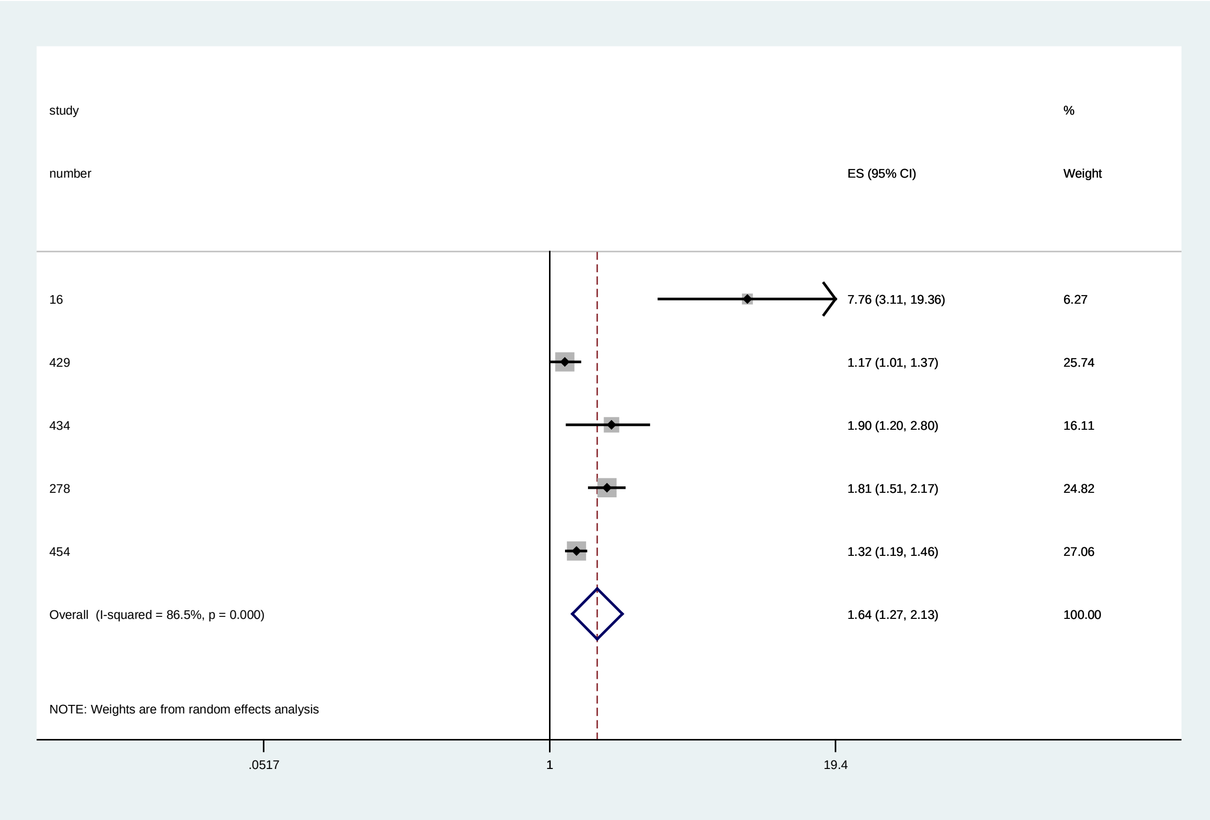
Method	Z	p_value	studies
Edgington, Normal	-.1714643	.56807065	2

9.5.115 Meta-analysis: code 380102

Exposure	Outcome	Recidivism	Population
parental(mental)factors	Violent crime	Yes/No	General population

Study	ES	[95% Conf.	Interval]	% Weight
16	7.760	3.110	19.360	6.27
429	1.170	1.010	1.370	25.74
434	1.900	1.200	2.800	16.11
278	1.810	1.510	2.170	24.82
454	1.320	1.190	1.460	27.06
D+L pooled ES	1.640	1.265	2.126	100.00

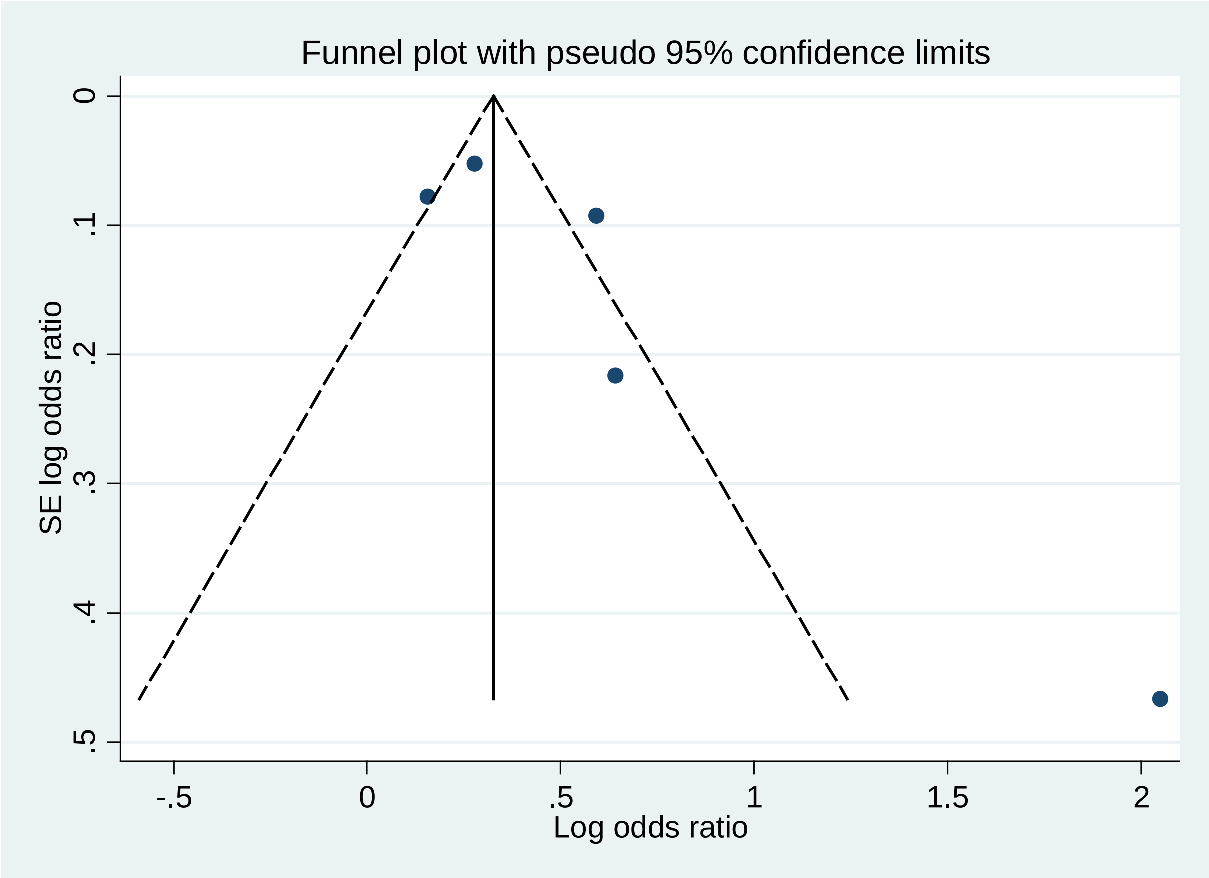
Test of ES=1 : z= 3.74 p = 0.000



Heterogeneity chi-squared = 29.71 (d.f. = 4) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 86.5%
Estimate of between-study variance Tau-squared = 0.0620

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.7546164	.03966247	5



Test of H0: no small-study effects   P = 0.123

9.5.116 Meta-analysis: code 380104

Exposure	Outcome	Recidivism	Population
parental(mental)factors	Violent crime	Yes	Incarcerated juvenile offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's: None

Meta-analysis of Bonferroni-corrected p-values

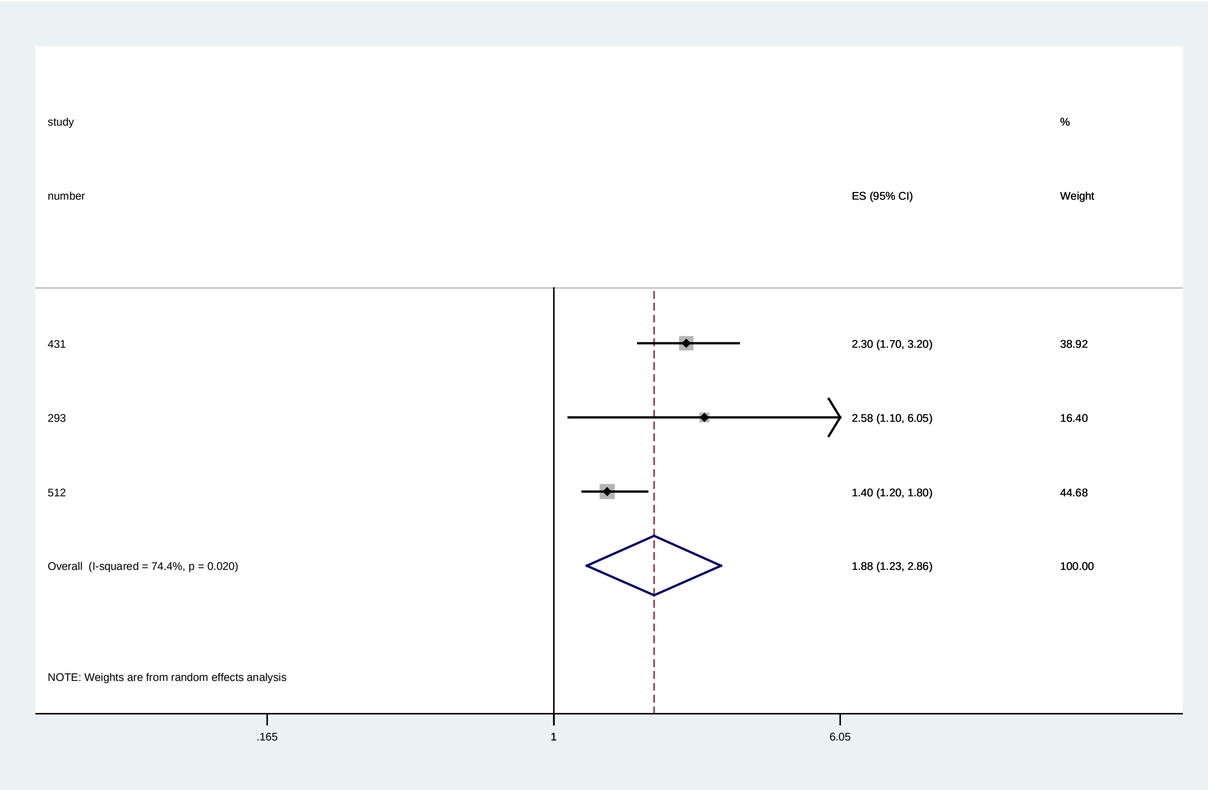
```
--------------------------------------------------------------
 Method                | Z             p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     | 1.8861071    .02964026    2
--------------------------------------------------------------
```

9.5.117 Meta-analysis: code 380107

Exposure	Outcome	Recidivism	Population
parental(mental)factors	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
431	2.300	1.700	3.200	38.92
293	2.579	1.099	6.055	16.40
512	1.400	1.200	1.800	44.68
D+L pooled ES	1.877	1.231	2.863	100.00

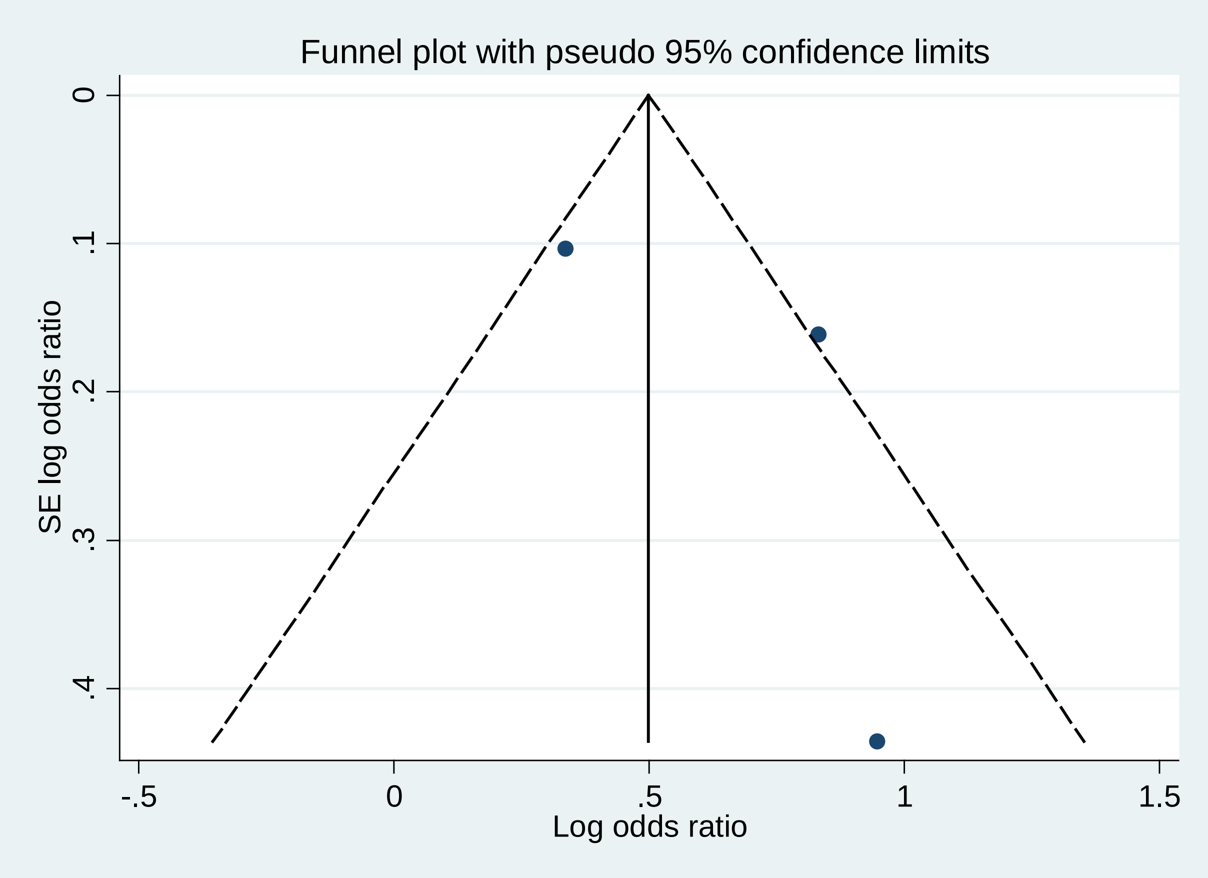
Test of ES=1 : z= 2.93 p = 0.003



Heterogeneity chi-squared = 7.81 (d.f. = 2) p = 0.020
I-squared (variation in ES attributable to heterogeneity) = 74.4%
Estimate of between-study variance Tau-squared = 0.0930

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.6914	.04538022	3



Test of H0: no small-study effects P = 0.498

9.5.118 Meta-analysis: code 380302

Exposure	Outcome	Recidivism	Population
parental(mental)factors	Drug-related crime	No	General population

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s:

Relative risk	95%CI low	95% CI high
1.32	1.19	1.48

Meta-analysis of Bonferroni-corrected p-values

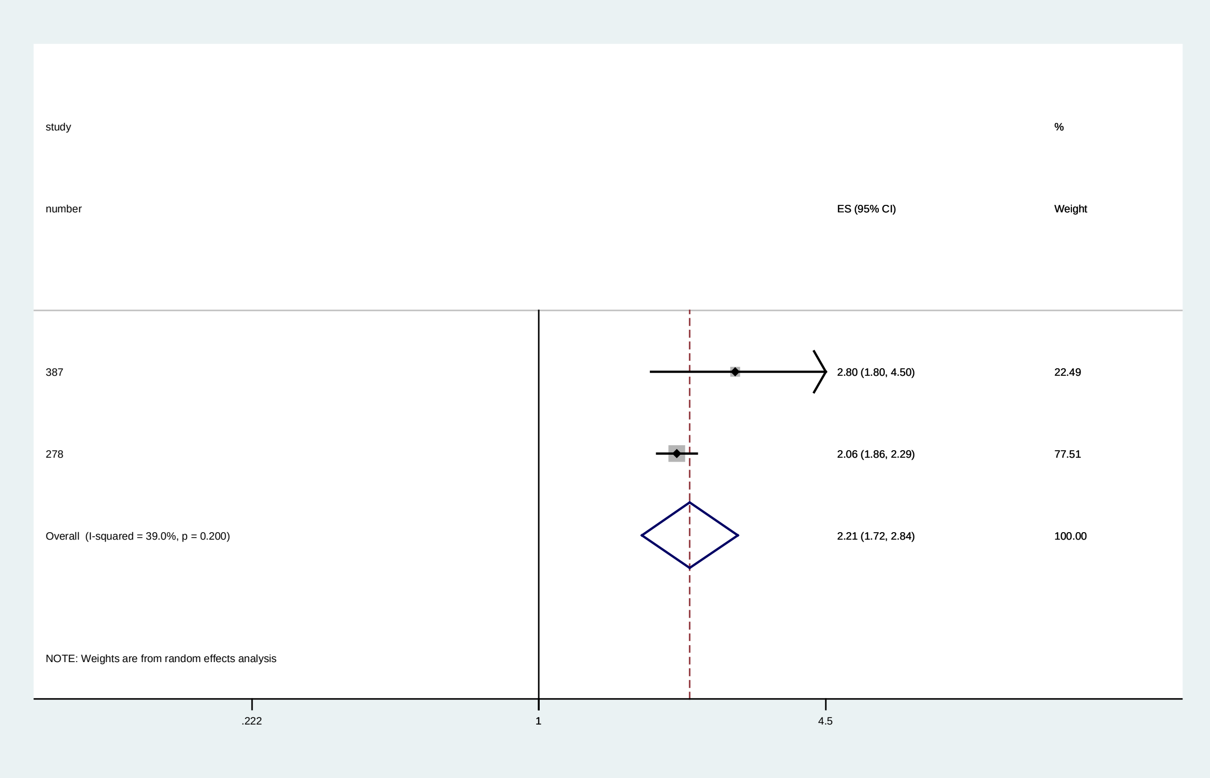
Method	Z	p_value	studies
Edgington, Normal	-.14696941	.55842192	2

9.5.119 Meta-analysis: code 381602

Exposure	Outcome	Recidivism	Population
Parental (mental) factors	Criminality	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
387	2.800	1.800	4.500	22.49
278	2.060	1.860	2.290	77.51
D+L pooled ES	2.207	1.717	2.837	100.00

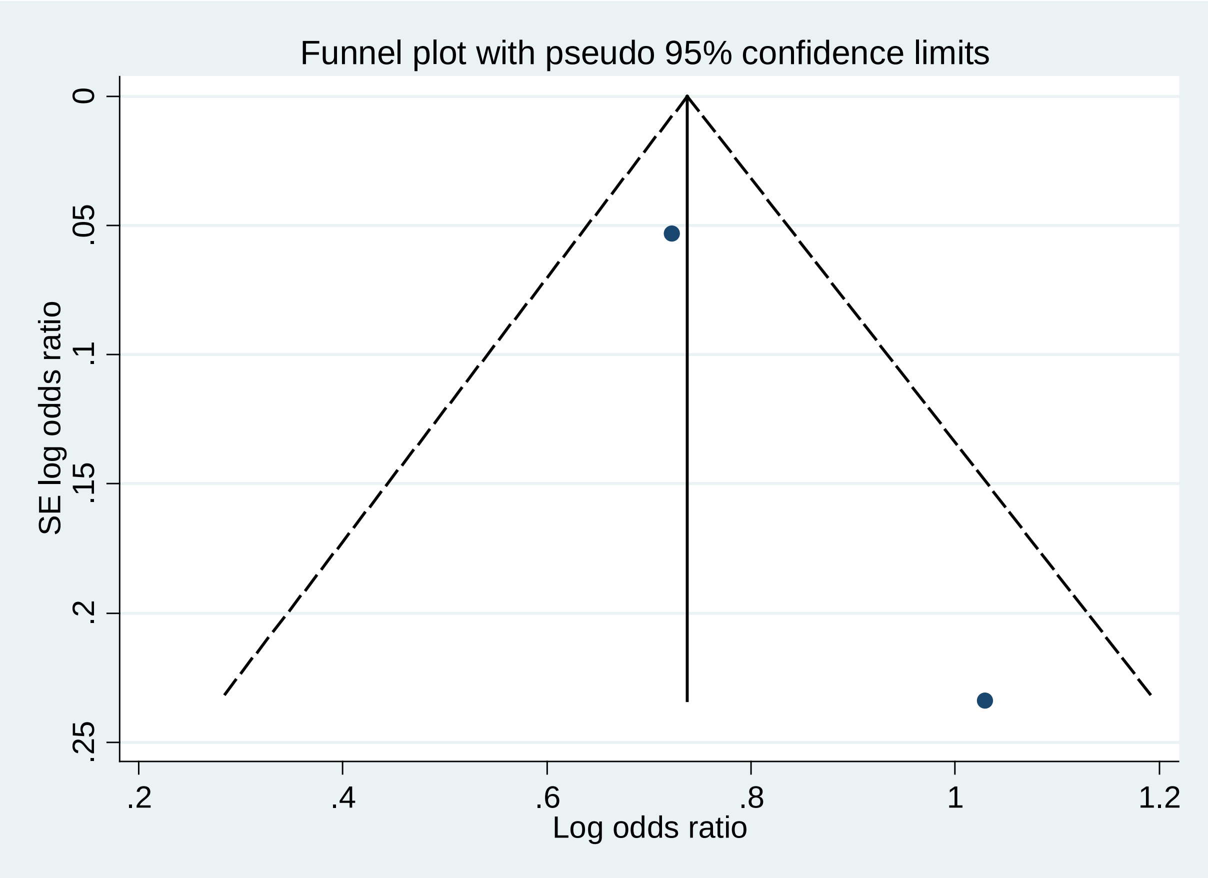
Test of ES=1 : z= 6.18 p = 0.000



Heterogeneity chi-squared = 1.64 (d.f. = 1) p = 0.200
I-squared (variation in ES attributable to heterogeneity) = 39.0%
Estimate of between-study variance Tau-squared = 0.0184

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.4404756	.00733397	2

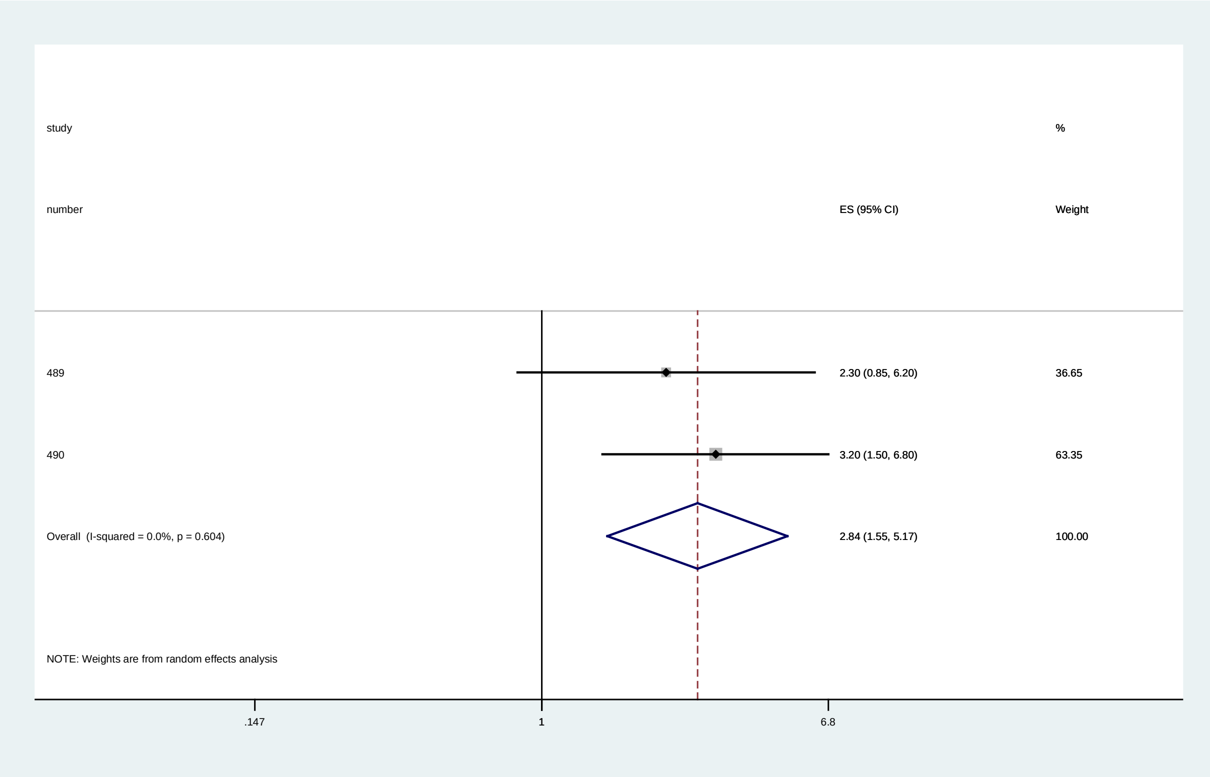


Test of H0: no small-study effects P = .

9.5.120 Meta-analysis: code 393002

Exposure	Outcome	Recidivism	Population
Employment	Adult-onset criminality	No	General population

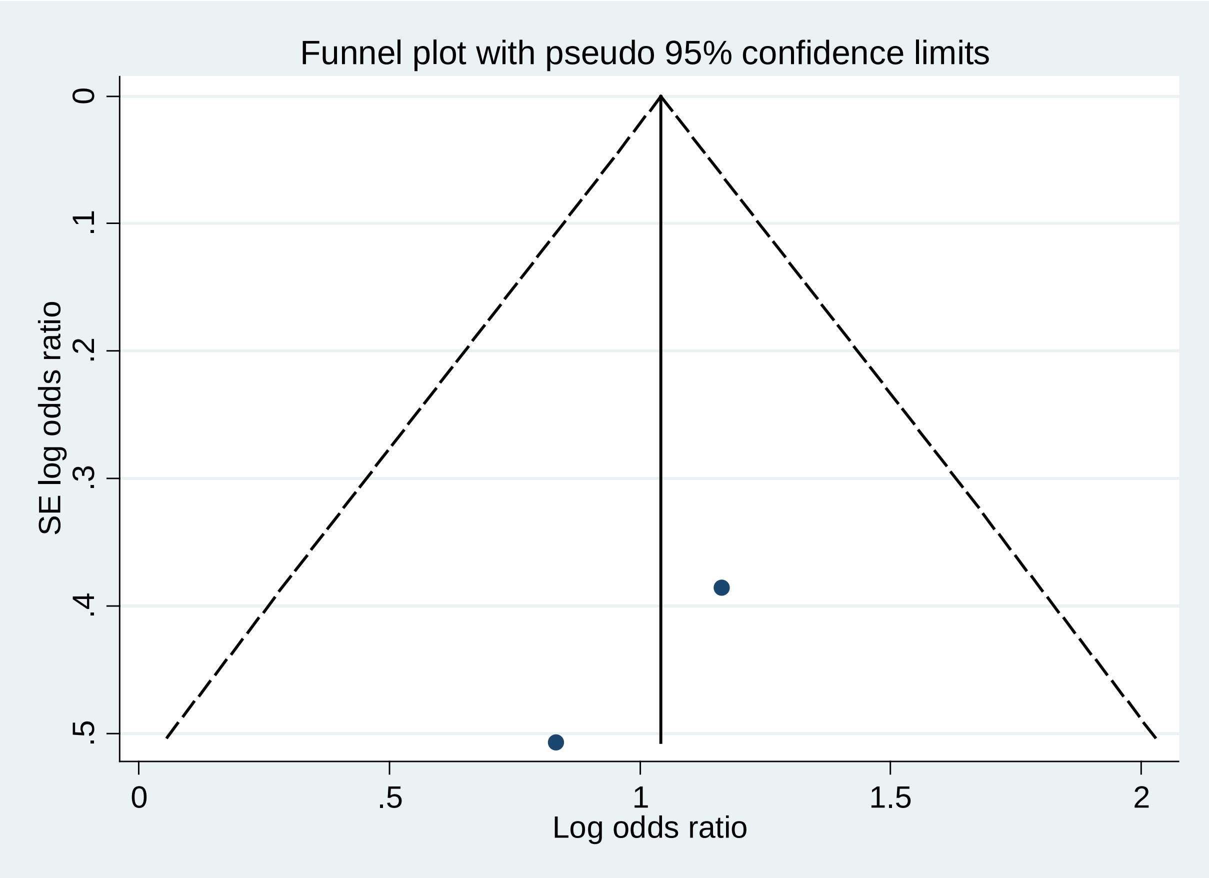
```
            Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
489                   |  2.300       0.850     6.200          36.65
490                   |  3.200       1.500     6.800          63.35
---------------------+---------------------------------------------------
D+L pooled ES         |  2.835       1.554     5.174         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   3.40 p = 0.001
```




```
Heterogeneity chi-squared =   0.27 (d.f. = 1) p = 0.604
I-squared (variation in ES attributable to heterogeneity) =   0.0%
Estimate of between-study variance Tau-squared =  0.0000
```

```
Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |  .89703683    .18484963    2
--------------------------------------------------------------
```



Test of H0: no small-study effects P = .

9.5.121 Meta-analysis: code 400107

Exposure	Outcome	Recidivism	Population
Unmarried	Violent crime	No	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.18	.7	1.98

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.122 Meta-analysis: code 401607

Exposure	Outcome	Recidivism	Population
Marital status	Criminality	No	Psychiatric patients

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.29	.71	2.32

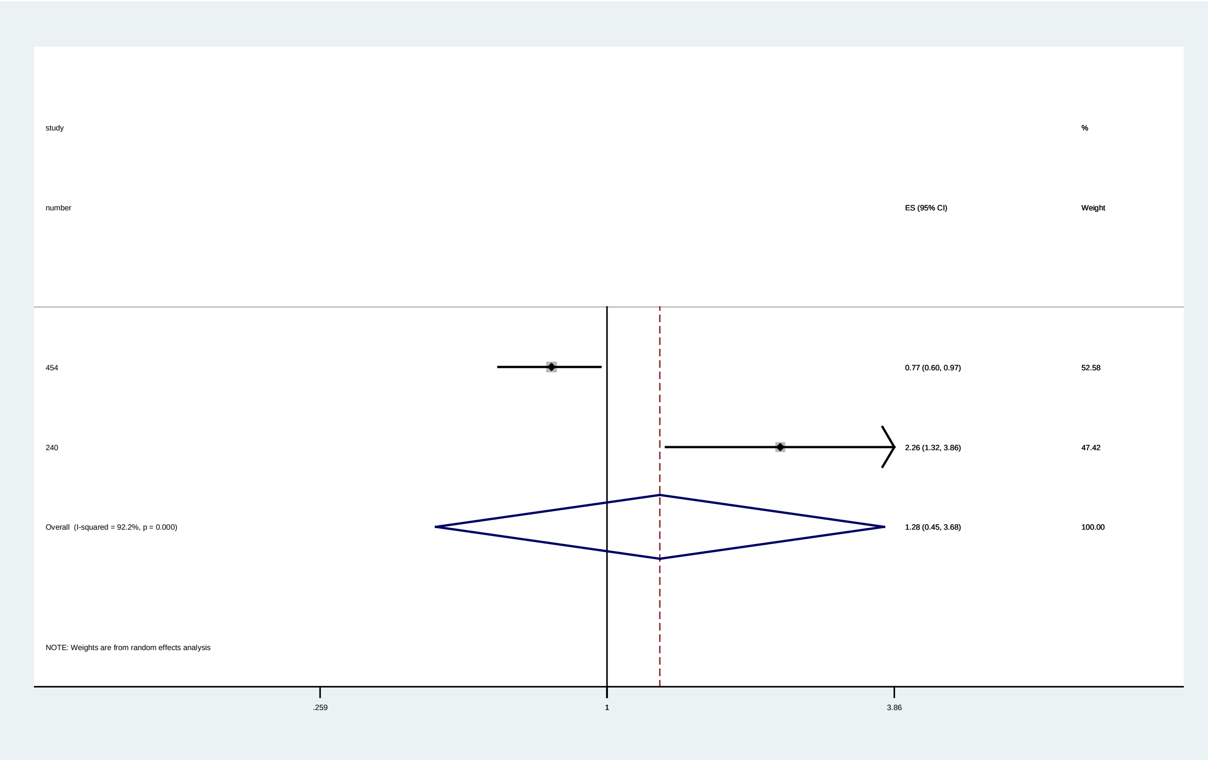
Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.123 Meta-analysis: code 410102

Exposure	Outcome	Recidivism	Population
Educational adversity	Violent crime	No	General population

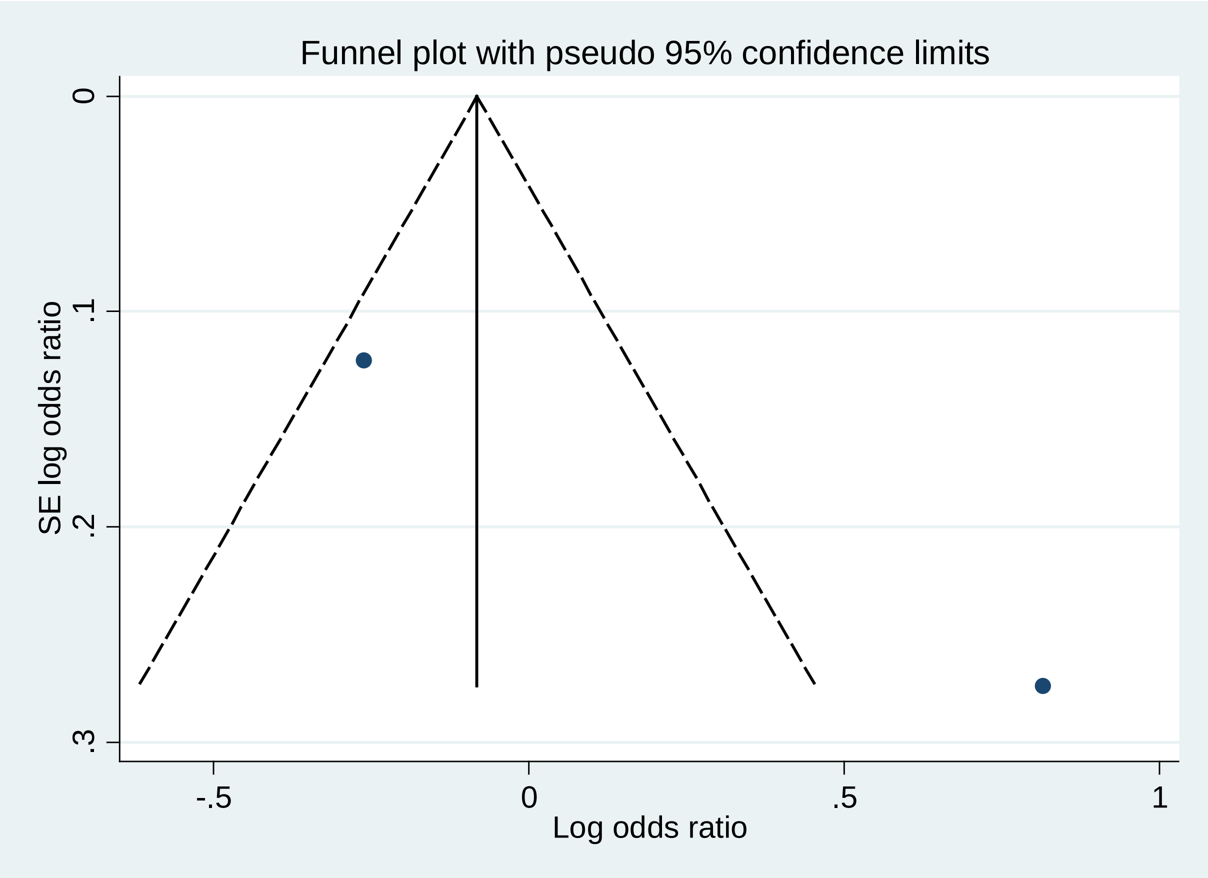
```
             Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
454                  |  0.770       0.600     0.970          52.58
240                  |  2.260       1.320     3.860          47.42
---------------------+---------------------------------------------------
D+L pooled ES        |  1.283       0.447     3.680         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.46 p = 0.643
```




```
Heterogeneity chi-squared =  12.89 (d.f. = 1) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  92.2%
Estimate of between-study variance Tau-squared =  0.5347

Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method               |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal    |   -.25474696   .60054073    2
--------------------------------------------------------------
```



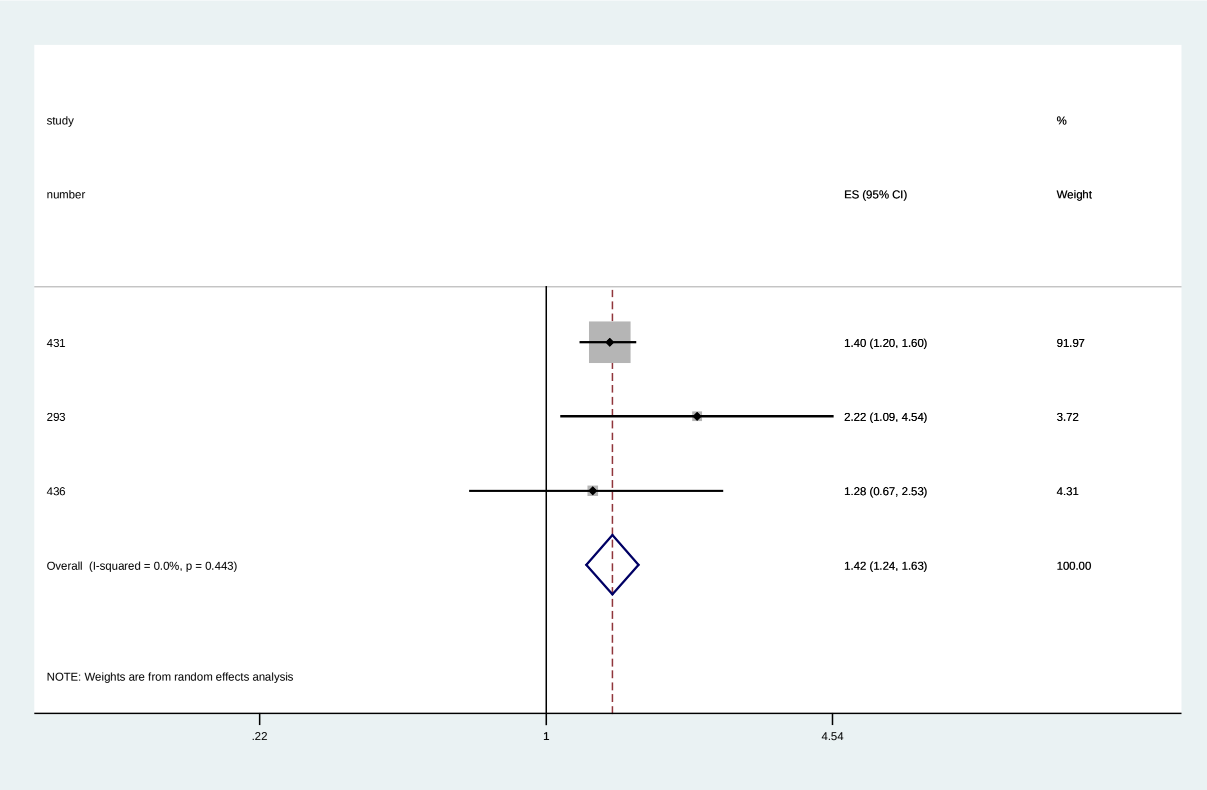
Test of H0: no small-study effects   P =   .

9.5.124 Meta-analysis: code 410107

Exposure	Outcome	Recidivism	Population
Educational adversity	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf. Interval]		% Weight
431	1.400	1.200	1.600	91.97
293	2.219	1.085	4.537	3.72
436	1.280	0.670	2.530	4.31
D+L pooled ES	1.419	1.236	1.629	100.00

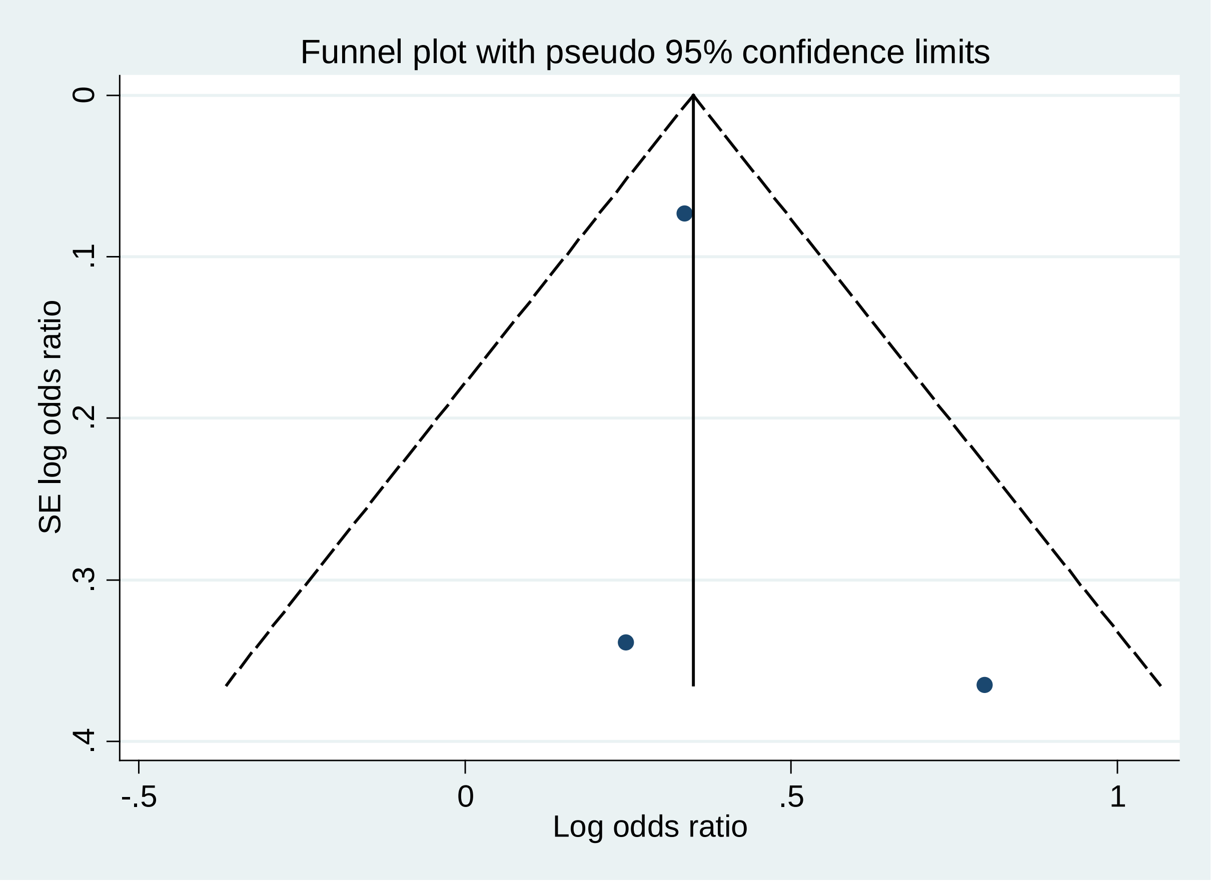
Test of ES=1 : z= 4.97 p = 0.000



Heterogeneity chi-squared = 1.63 (d.f. = 2) p = 0.443
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-.24020001	.5949124	3



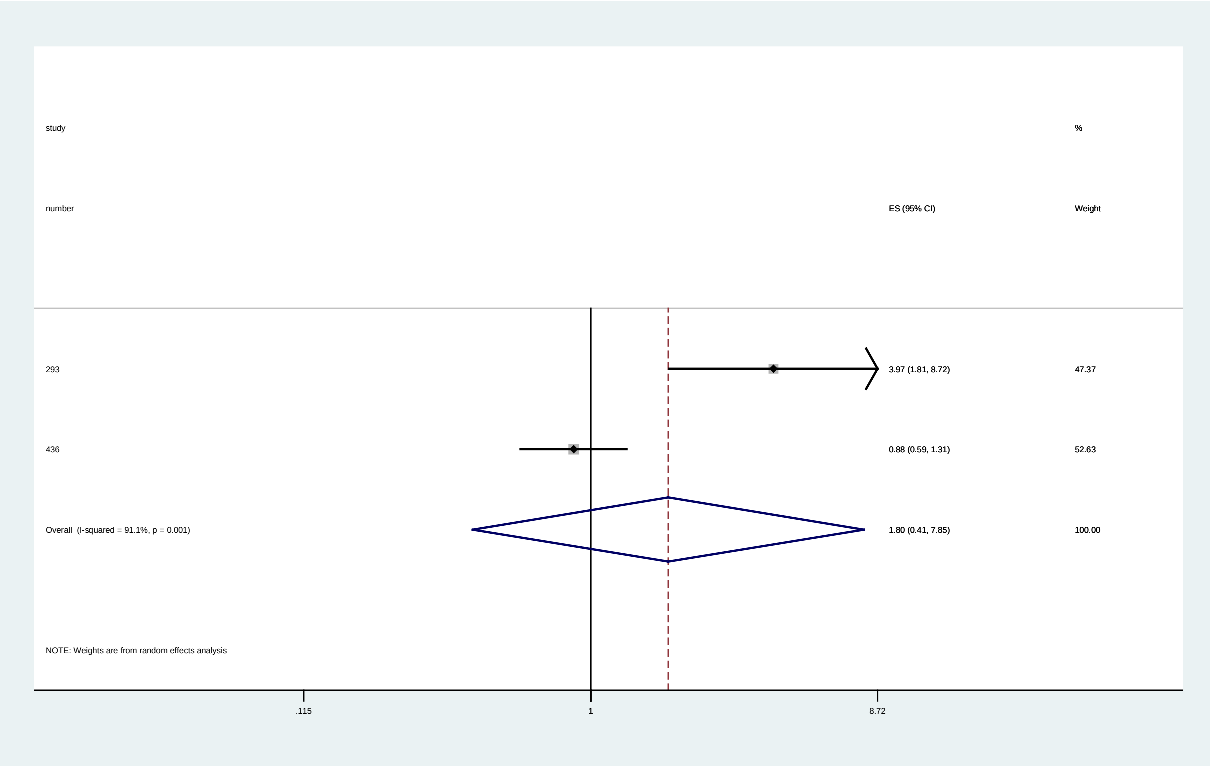
Test of H0: no small-study effects P = 0.636

9.5.125 Meta-analysis: code 411607

Exposure	Outcome	Recidivism	Population
Educational adversity	Criminality	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
293	3.972	1.810	8.715	47.37
436	0.880	0.590	1.310	52.63
D+L pooled ES	1.797	0.411	7.854	100.00

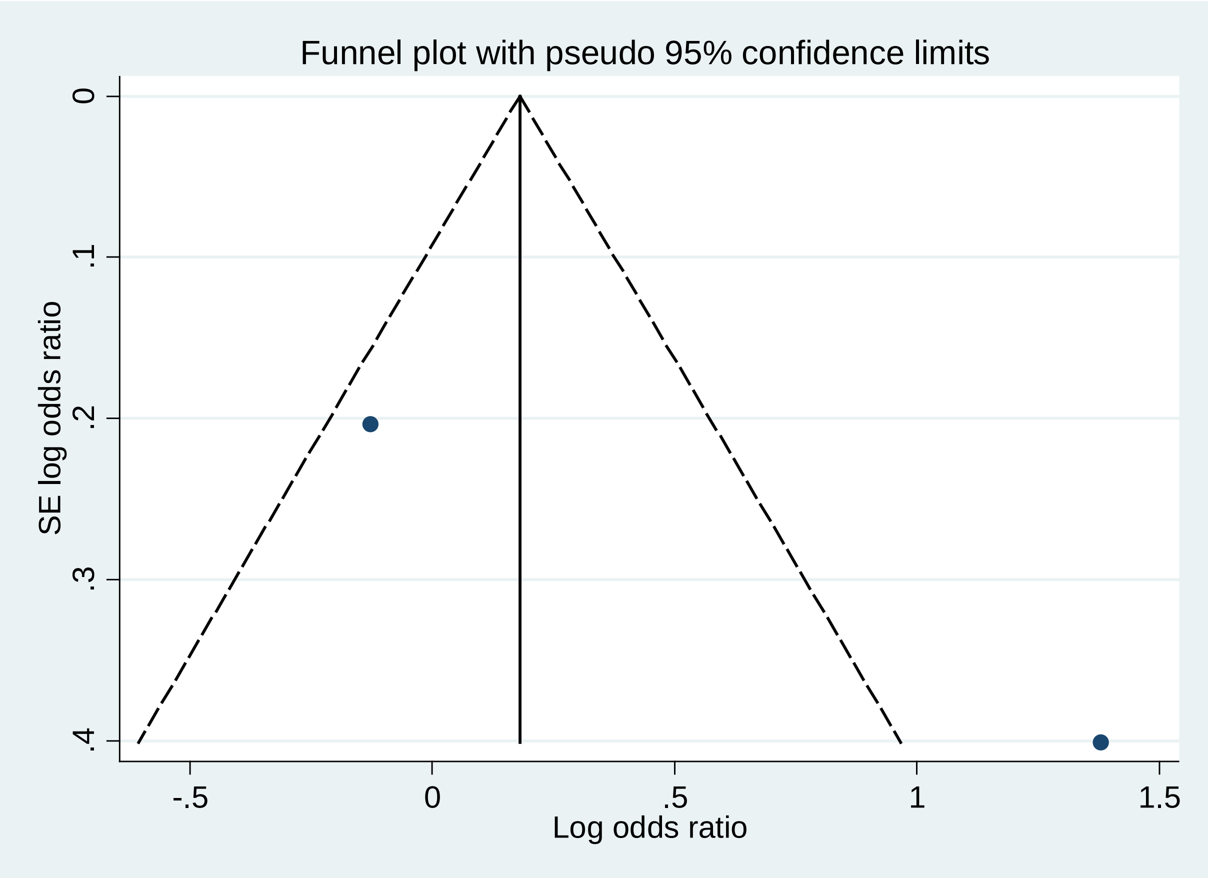
Test of ES=1 : z= 0.78 p = 0.436



Heterogeneity chi-squared = 11.23 (d.f. = 1) p = 0.001
I-squared (variation in ES attributable to heterogeneity) = 91.1%
Estimate of between-study variance Tau-squared = 1.0346

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.02694441	.51074796	2



Test of H0: no small-study effects   P =   .

9.5.126 Meta-analysis: code 531608

Exposure	Outcome	Recidivism	Population
Sexual deviance	Criminality	Yes	Incarcerated offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.90	.	.

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.71035208	.76125708	2

9.5.127 Meta-analysis: code 540101

Exposure	Outcome	Recidivism	Population
Victim characteristics	Violent crime	Yes	Sex offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
 2.3              1.27        4.15



Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                 |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal      |   -1.11        .8665005     3
--------------------------------------------------------------
```

9.5.128 Meta-analysis: code 541901

Exposure	Outcome	Recidivism	Population
Victim characteristics	Sex crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
3.12	1.59	6.1

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.99000004	.83891295	3

9.5.129 Meta-analysis: code 570101

Exposure	Outcome	Recidivism	Population
Sexual offence severity	Violent crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s: None

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -2.4005      .99181365    2
--------------------------------------------------------------
```

9.5.130 Meta-analysis: code 571901

Exposure	Outcome	Recidivism	Population
sexual offence severity	Sex crime	Yes	Sex offenders

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
     1.86                .            .


Meta-analysis of Bonferroni-corrected p-values

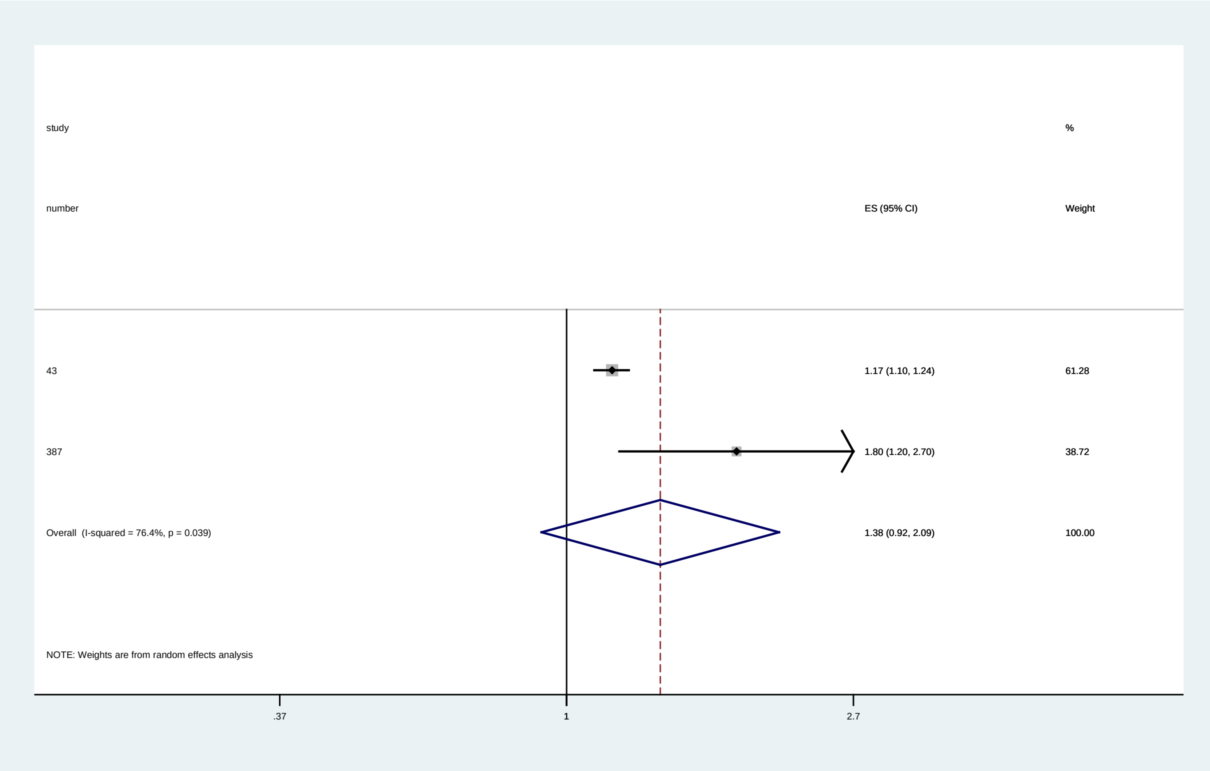
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.7636327   .96110308    2
--------------------------------------------------------------
```

9.5.131 Meta-analysis: code 931602

Exposure	Outcome	Recidivism	Population
Maternal prenatal smoking	Criminality	No	General population

Study	ES	[95% Conf. Interval]		% Weight
43	1.170	1.100	1.240	61.28
387	1.800	1.200	2.700	38.72
D+L pooled ES	1.382	0.916	2.086	100.00

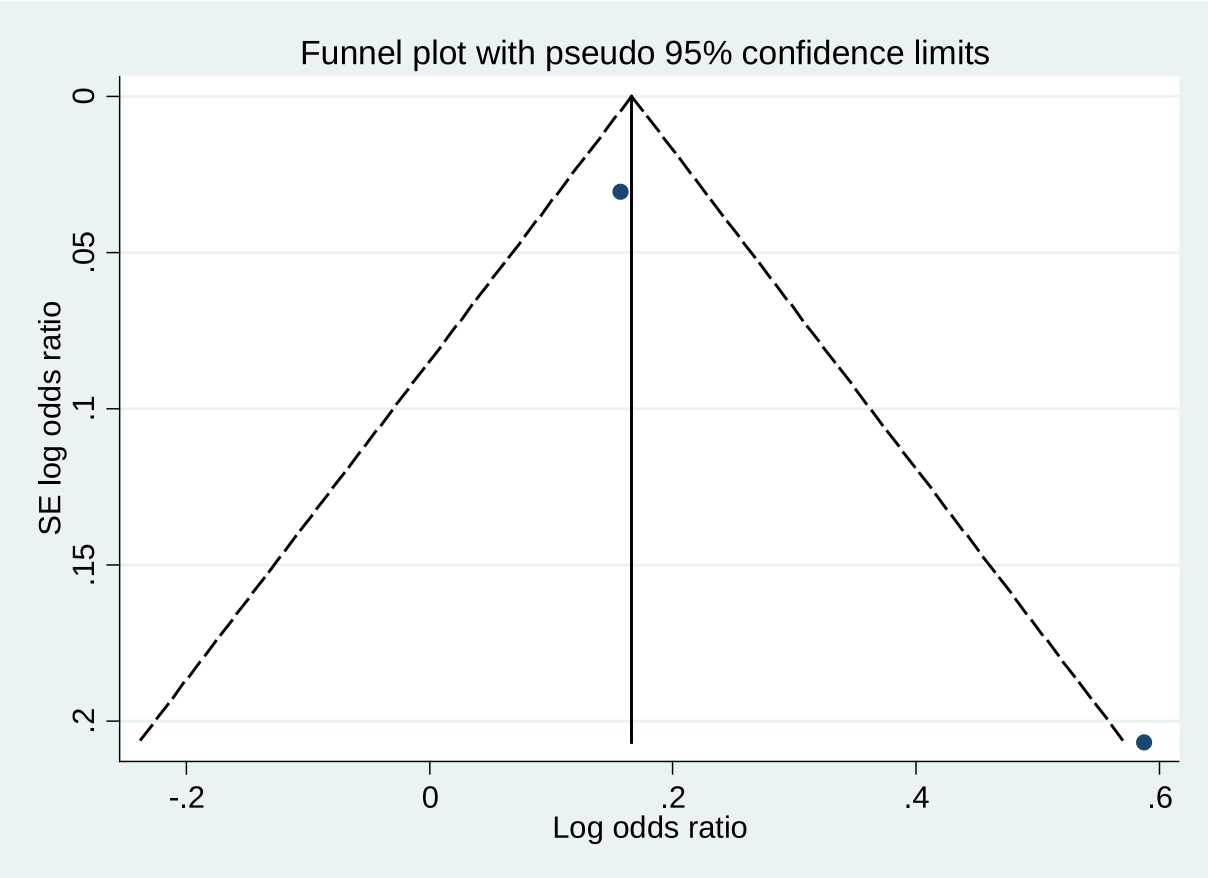
Test of ES=1 : z= 1.54 p = 0.123



Heterogeneity chi-squared = 4.24 (d.f. = 1) p = 0.039
I-squared (variation in ES attributable to heterogeneity) = 76.4%
Estimate of between-study variance Tau-squared = 0.0709

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.1359551	.01634154	2



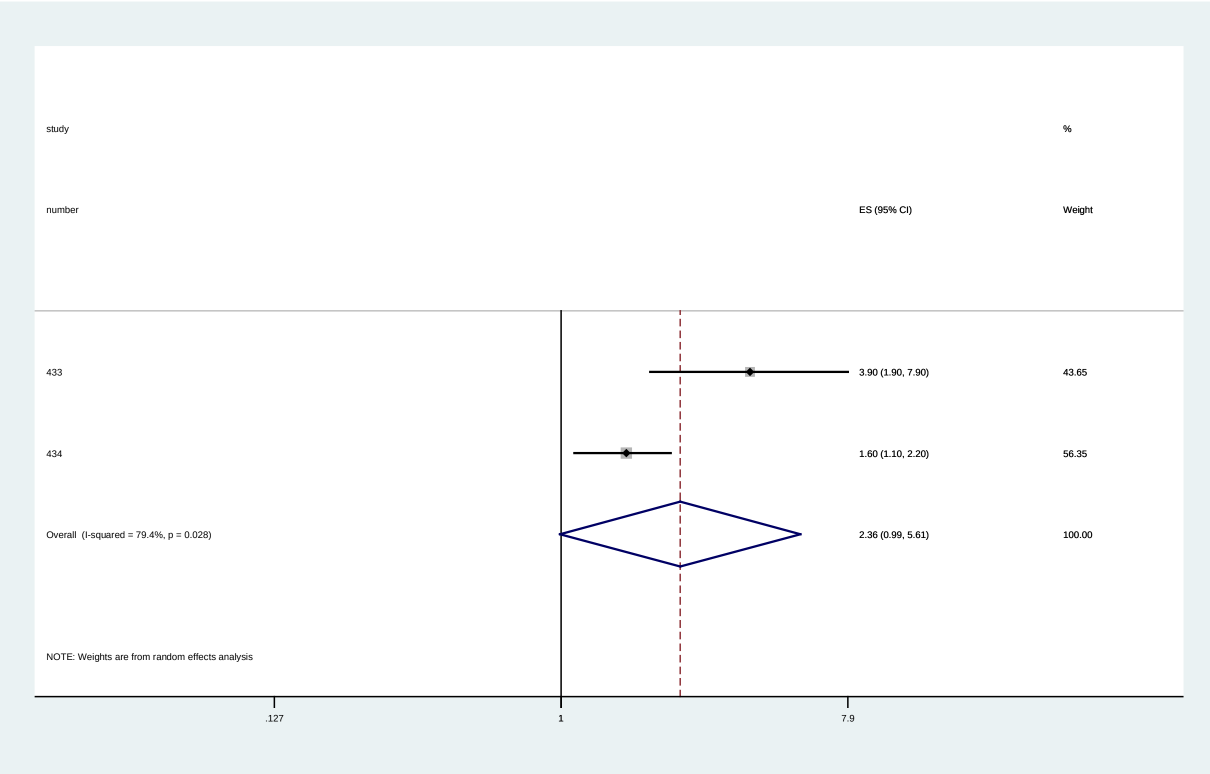
Test of H0: no small-study effects   P =   .

9.5.132 Meta-analysis: code 1070102

Exposure	Outcome	Recidivism	Population
Bullying	Violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
433	3.900	1.900	7.900	43.65
434	1.600	1.100	2.200	56.35
D+L pooled ES	2.361	0.993	5.612	100.00

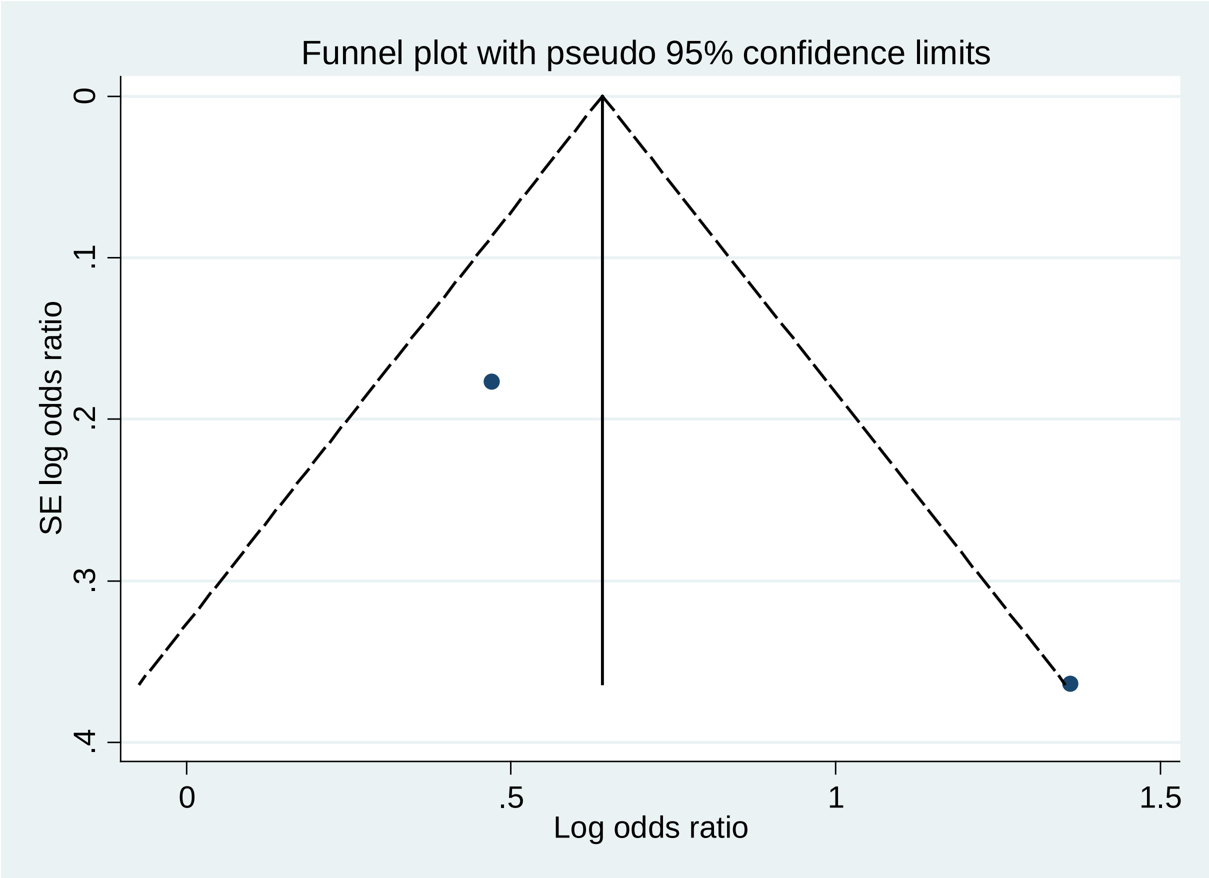
Test of ES=1 : z= 1.94 p = 0.052



Heterogeneity chi-squared = 4.86 (d.f. = 1) p = 0.028
I-squared (variation in ES attributable to heterogeneity) = 79.4%
Estimate of between-study variance Tau-squared = 0.3152

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.09797961	.53902576	2



Test of H0: no small-study effects   P =   .

9.5.133 Meta-analysis: code 1070202

Exposure	Outcome	Recidivism	Population
Bullying	Property crime	No	General population

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
2.3	1.2	4.7

Meta-analysis of Bonferroni-corrected p-values

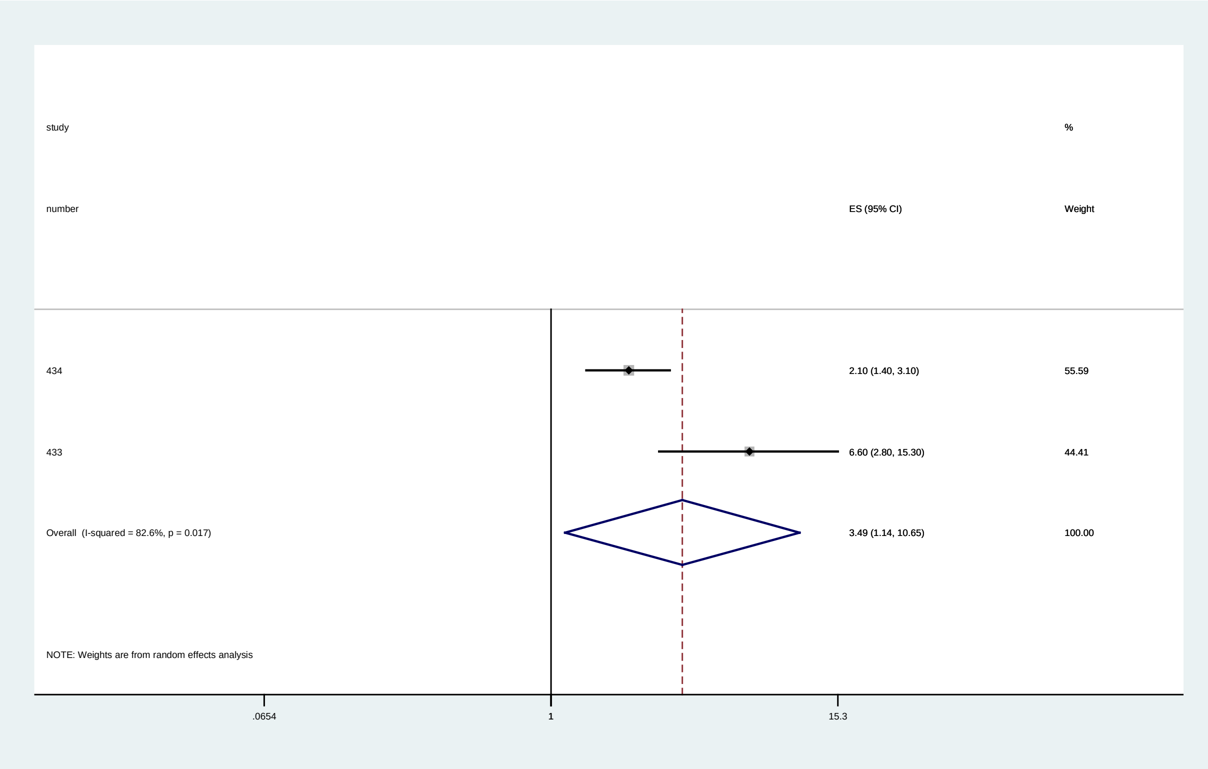
Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.134 Meta-analysis: code 1070402

Exposure	Outcome	Recidivism	Population
Bullying	Frequent violent crime	No	General population

Study	ES	[95% Conf.	Interval]	% Weight
434	2.100	1.400	3.100	55.59
433	6.600	2.800	15.300	44.41
D+L pooled ES	3.492	1.145	10.651	100.00

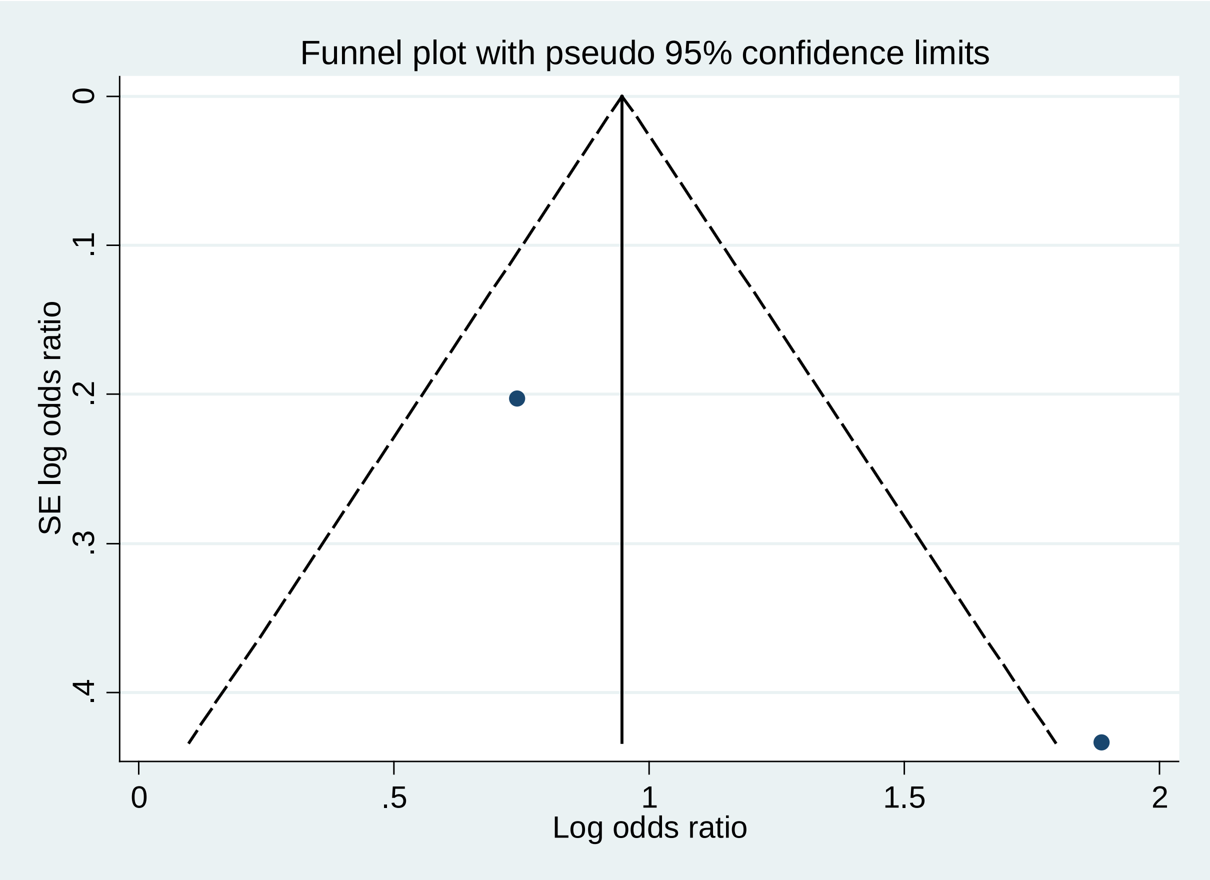
Test of ES=1 : z= 2.20 p = 0.028



Heterogeneity chi-squared = 5.73 (d.f. = 1) p = 0.017
I-squared (variation in ES attributable to heterogeneity) = 82.6%
Estimate of between-study variance Tau-squared = 0.5413

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.20025	.88497887	2



Test of H0: no small-study effects P = .

9.5.135 Meta-analysis: code 1071402

Exposure	Outcome	Recidivism	Population
Bullying	Traffic crime	No	General population

```
[no multiple relative risk + 95% CI estimates available]


Available relative risks and 95% CI's:
-------------------------------------------
Relative risk       95%CI low   95% CI high
-------------------------------------------
2.8               1.8         4.4


Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z             p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.09797961    .53902576    2
--------------------------------------------------------------
```

9.5.136 Meta-analysis: code 1071502

Exposure	Outcome	Recidivism	Population
Bullying	Drink driving	No	General population

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
1.9	.9	4

Meta-analysis of Bonferroni-corrected p-values

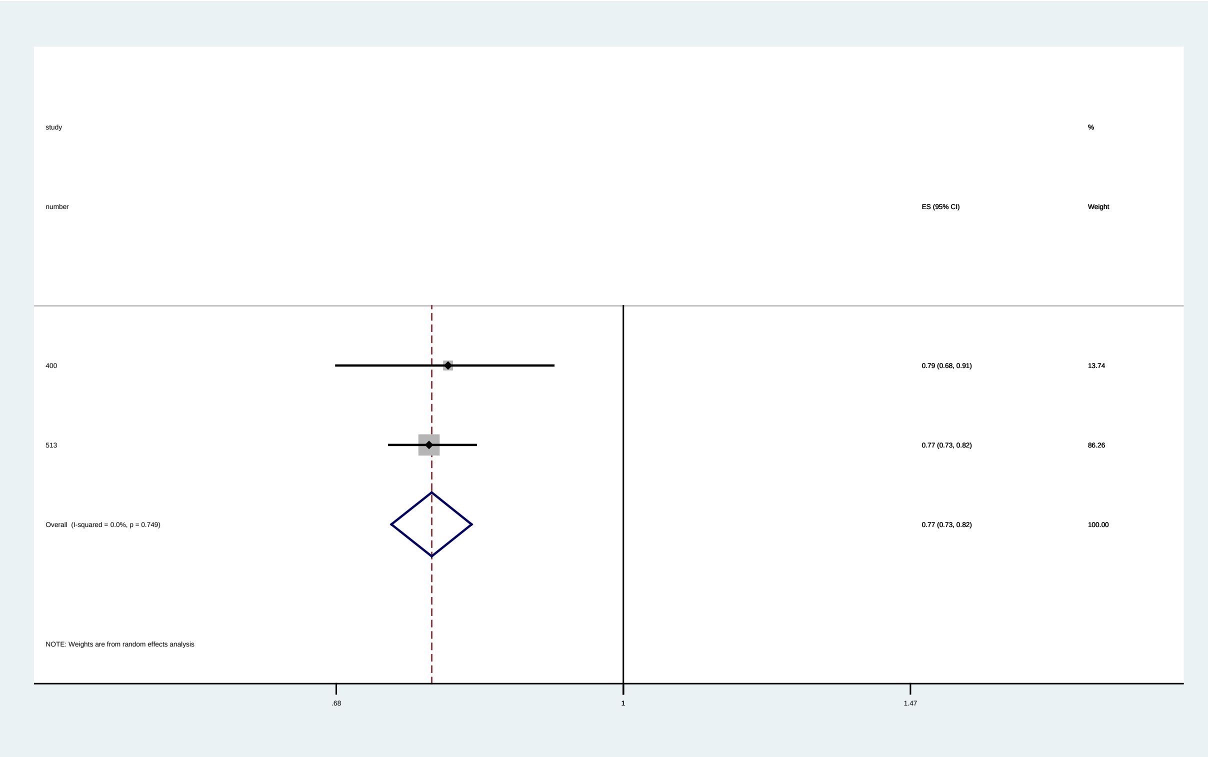
Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

9.5.137 Meta-analysis: code 1170107

Exposure	Outcome	Recidivism	Population
Use of psychiatric medication	Violent crime	No	Psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
400	0.790	0.680	0.910	13.74
513	0.770	0.730	0.820	86.26
D+L pooled ES	0.773	0.732	0.816	100.00

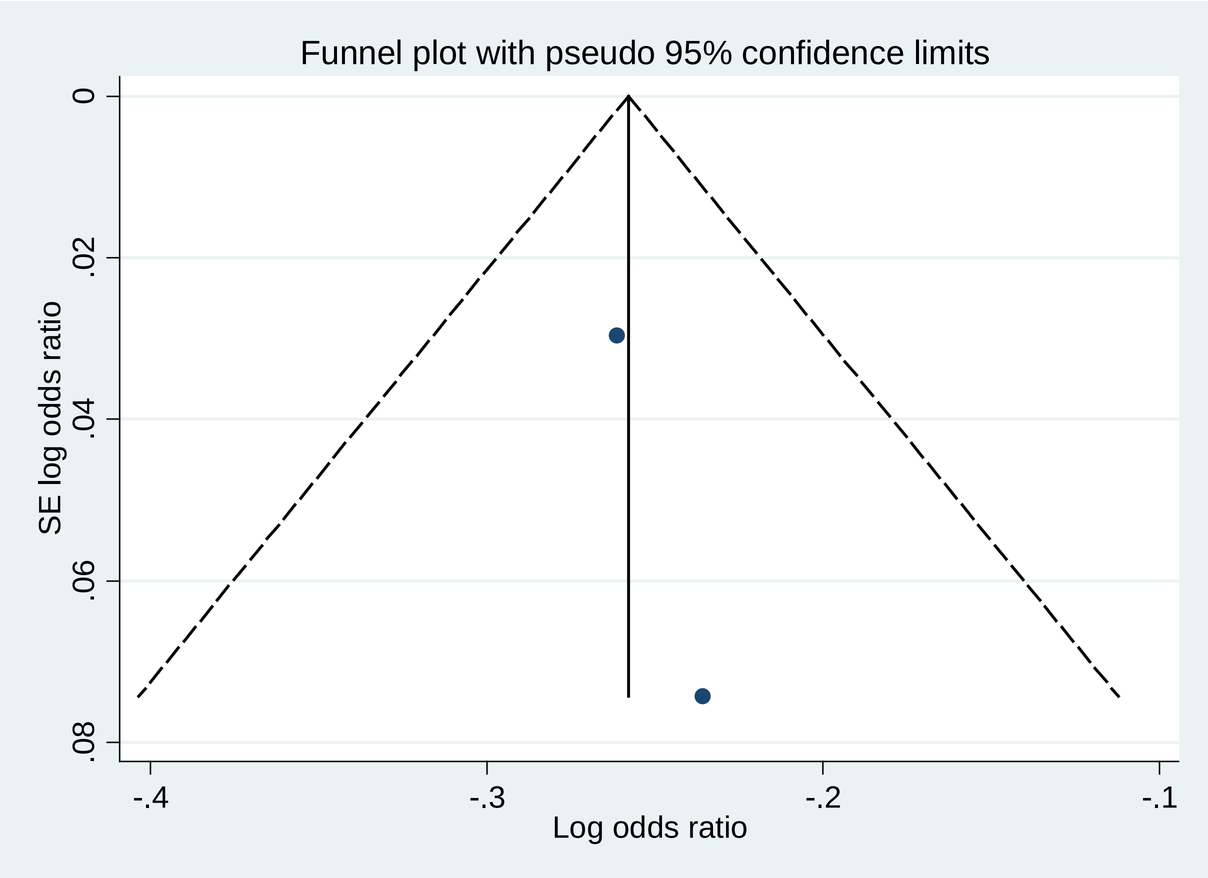
Test of ES=1 : z= 9.36 p = 0.000



Heterogeneity chi-squared = 0.10 (d.f. = 1) p = 0.749
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.4047621	.0080915	2



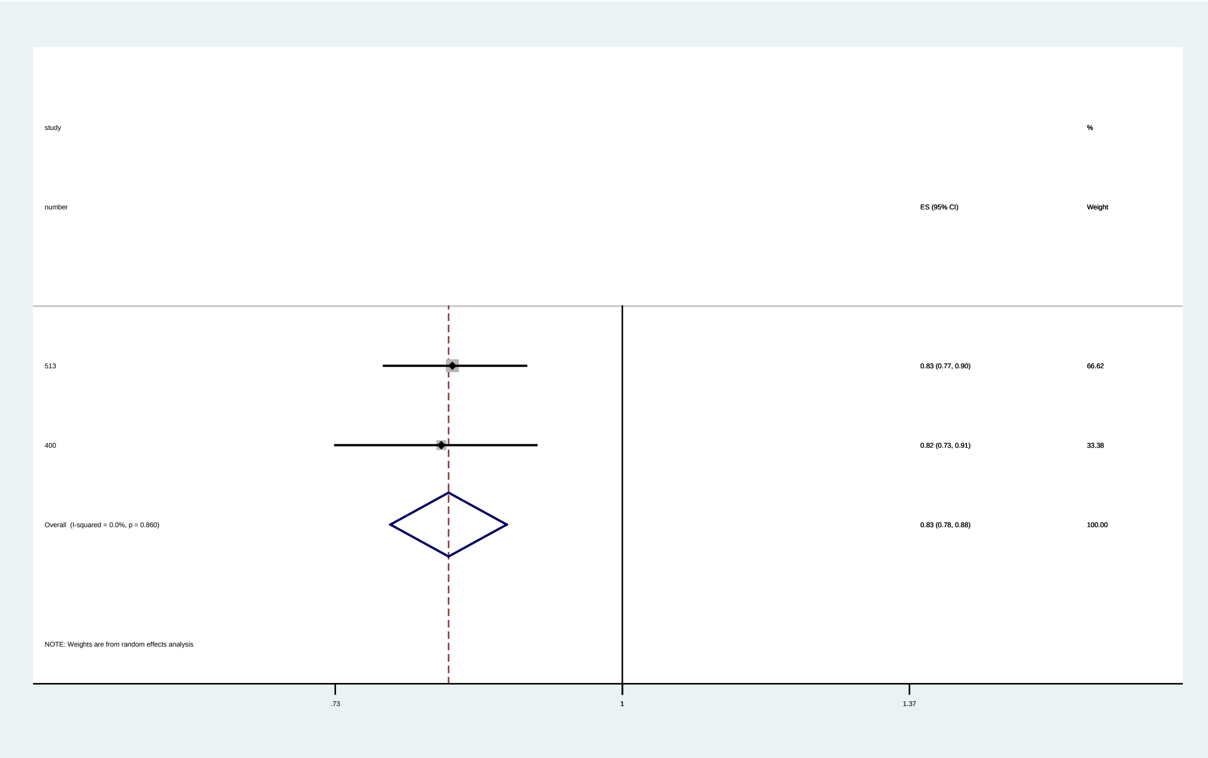
Test of H0: no small-study effects P = .

9.5.138 Meta-analysis: code 1171607

Exposure	Outcome	Recidivism	Population
Using medication	Violent crime	Yes	Incarcerated juvenile offenders

Study	ES	[95% Conf.	Interval]	% Weight
513	0.830	0.770	0.900	66.62
400	0.820	0.730	0.910	33.38
D+L pooled ES	0.827	0.776	0.881	100.00

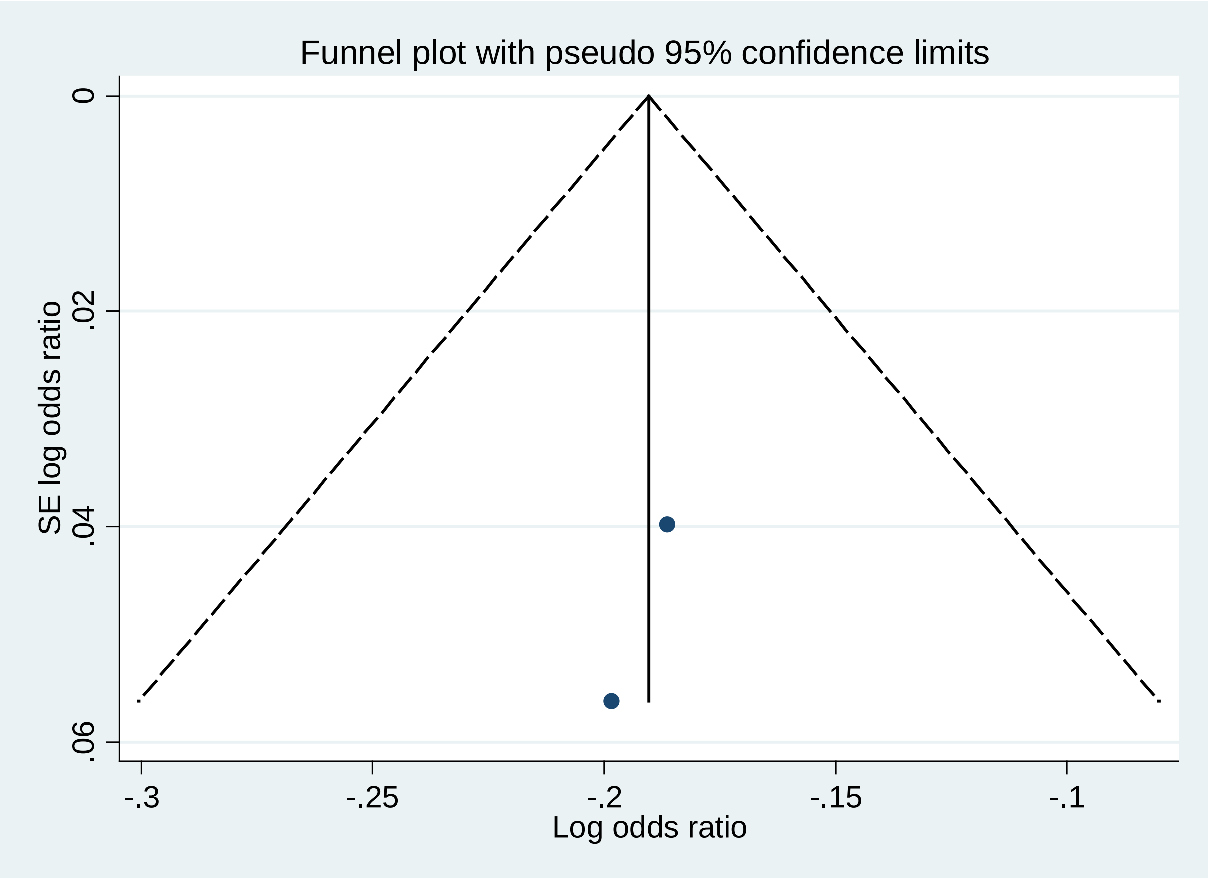
Test of ES=1 : z= 5.86 p = 0.000



Heterogeneity chi-squared = 0.03 (d.f. = 1) p = 0.860
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	2.4047621	.0080915	2



Test of H0: no small-study effects   P =   .

9.5.139 Meta-analysis: code 1190101

Exposure	Outcome	Recidivism	Population
Psychoeducation	Violent crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's: None

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                 |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -2.4005       .99181365    2
--------------------------------------------------------------
```

9.5.140 Meta-analysis: code 1191601

Exposure	Outcome	Recidivism	Population
Psychoeducation	Criminality	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI’s: None

Meta-analysis of Bonferroni-corrected p-values

```
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.6901479   .95450017    2
--------------------------------------------------------------
```

9.5.141 Meta-analysis: code 1191901

Exposure	Outcome	Recidivism	Population
Psychoeducation	Sex crime	Yes	Sex offenders

[no multiple relative risk + 95% CI estimates available]

Available relative risks and 95% CI's:

Relative risk	95%CI low	95% CI high
.95	.48	1.91

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.9400001	.99835894	3

9.6 Bijlage 6: Meta-analysen op niveau specifieke exposures over geaggregeerde uitkomst en populatie hoofdgroepen in de categorie: delictrecidive

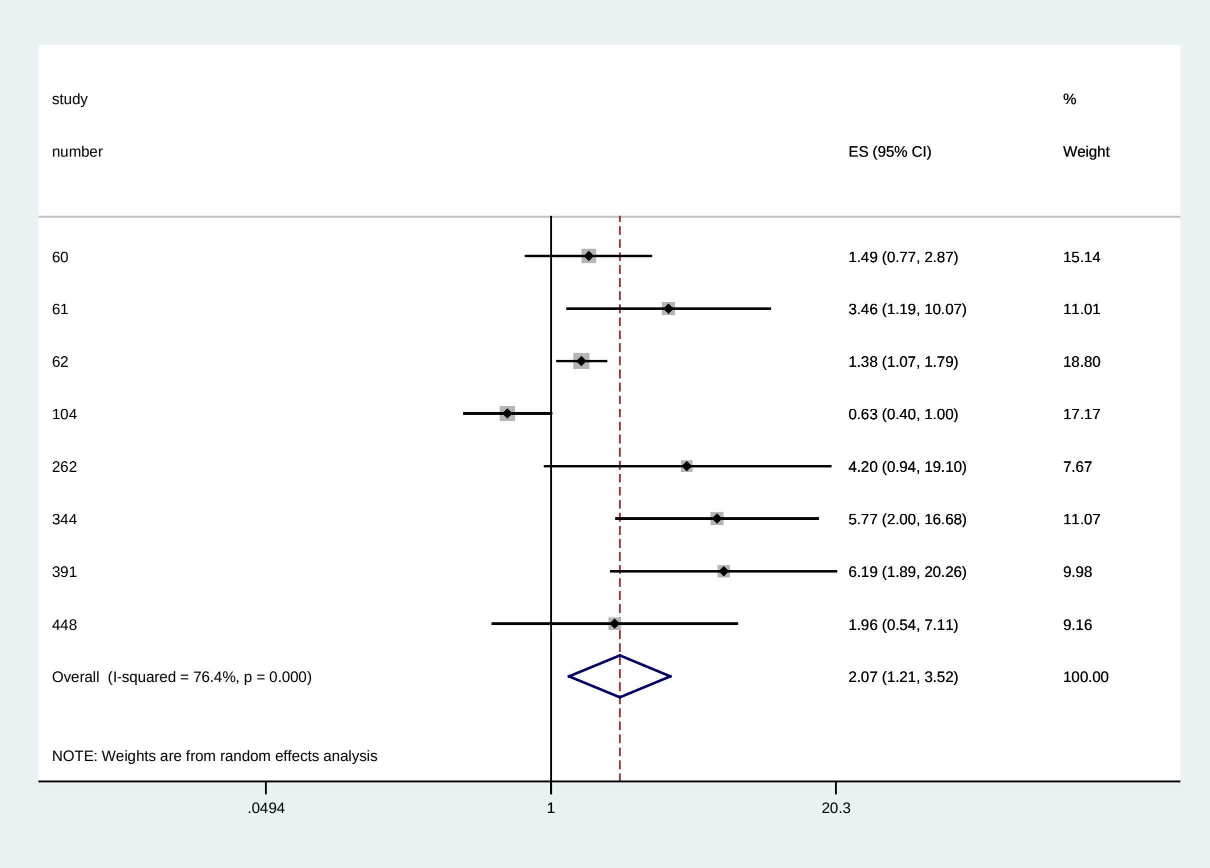
9.6.1 Meta-analysis: exposure 1

Exposure
Conduct disorder

	exp_cat	out_cat	pop_cat
1.	conduct disorder	drug related crime	incarcerated juvenile offender
2.	conduct disorder	property crime	incarcerated juvenile offender
3.	conduct disorder	property crime	non-incarcerated juvenile offender
4.	conduct disorder	violent crime	incarcerated juvenile offender
5.	conduct disorder	violent crime	non-incarcerated juvenile offender
6.	conduct disorder	violent crime	non-incarcerated juvenile offender
7.	conduct disorder	violent crime	non-incarcerated offenders
8.	conduct disorder	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
60	1.490	0.770	2.870	15.14
61	3.460	1.190	10.070	11.01
62	1.380	1.070	1.790	18.80
104	0.630	0.400	1.000	17.17
262	4.200	0.940	19.100	7.67
344	5.770	2.000	16.680	11.07
391	6.190	1.890	20.260	9.98
448	1.960	0.540	7.110	9.16
D+L pooled ES	2.066	1.212	3.525	100.00

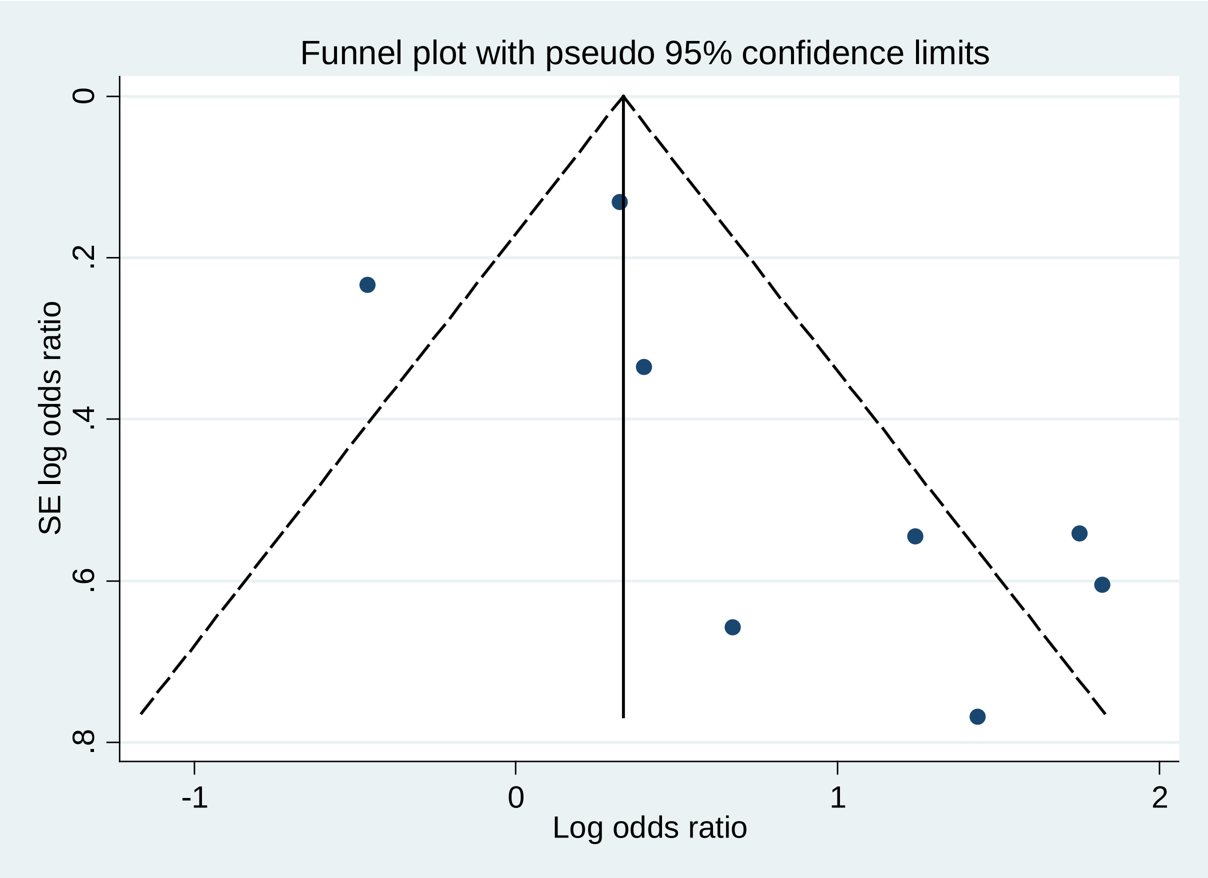
Test of ES=1 : z= 2.66 p = 0.008



Heterogeneity chi-squared = 29.66 (d.f. = 7) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 76.4%
Estimate of between-study variance Tau-squared = 0.3775

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.30343834	.61922209	10



Test of H0: no small-study effects P = 0.106

Meta-regression: sample size (n) Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9914373	.0024382	-3.50	0.013	.9854891	.9974214
_cons	12.0625	7.024821	4.28	0.005	2.901118	50.1544

Meta-regression: statistical adjustment Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.2563106	.1155059	-3.02	0.023	.0850887	.7720785
_cons	4.931461	1.912899	4.11	0.006	1.908821	12.74049

Meta-regression: quality rating Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9476417	.0242235	-2.10	0.080	.8901845	1.008807
_cons	74.25251	129.2302	2.47	0.048	1.050039	5250.694

Meta-regression: crime outcome categories Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	1.712581	1.799183	0.51	0.630	.1150292	25.4973
outcat2	1.368649	1.584462	0.27	0.797	.0698019	26.83597
_cons	1.49	1.402264	0.42	0.689	.132597	16.74321

Meta-regression: population categories Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	.3774528	.3089142	-1.19	0.287	.0460457	3.094111
popcat2	.7729901	.646733	-0.31	0.771	.0899769	6.640746
_cons	3.556953	2.395437	1.88	0.118	.6298591	20.0869

Meta-regression: length of follow-up (fu) Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	.9634891	.016413	-2.18	0.072	.9241535	1.004499
_cons	11.90946	10.32233	2.86	0.029	1.428338	99.30091

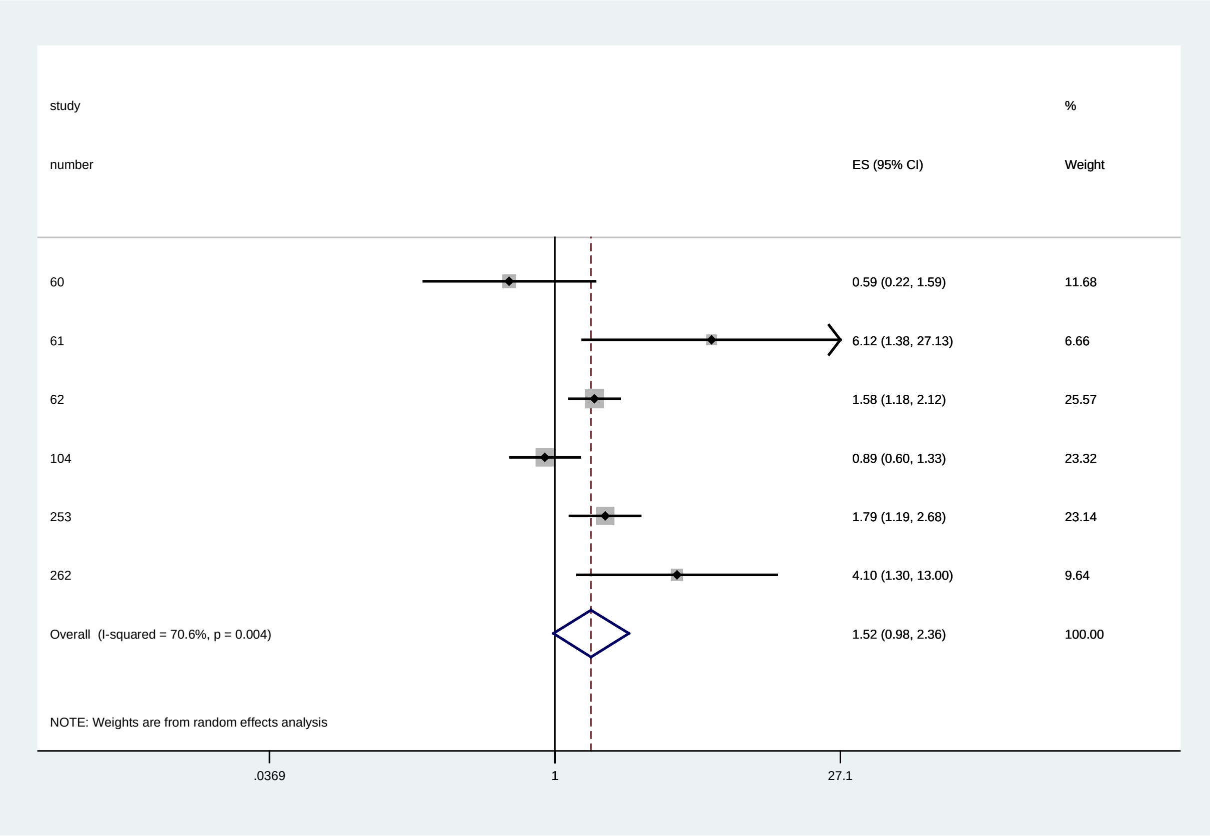
9.6.2 Meta-analysis: exposure 2

Exposure
ADHD

	exp_cat	out_cat	pop_cat
1.	ADHD	property crime	incarcerated juvenile offender
2.	ADHD	property crime	incarcerated juvenile offender
3.	ADHD	property crime	non-incarcerated juvenile offender
4.	ADHD	criminality	incarcerated juvenile offender
5.	ADHD	violent crime	sex offender
6.	ADHD	violent crime	non-incarcerated juvenile offender

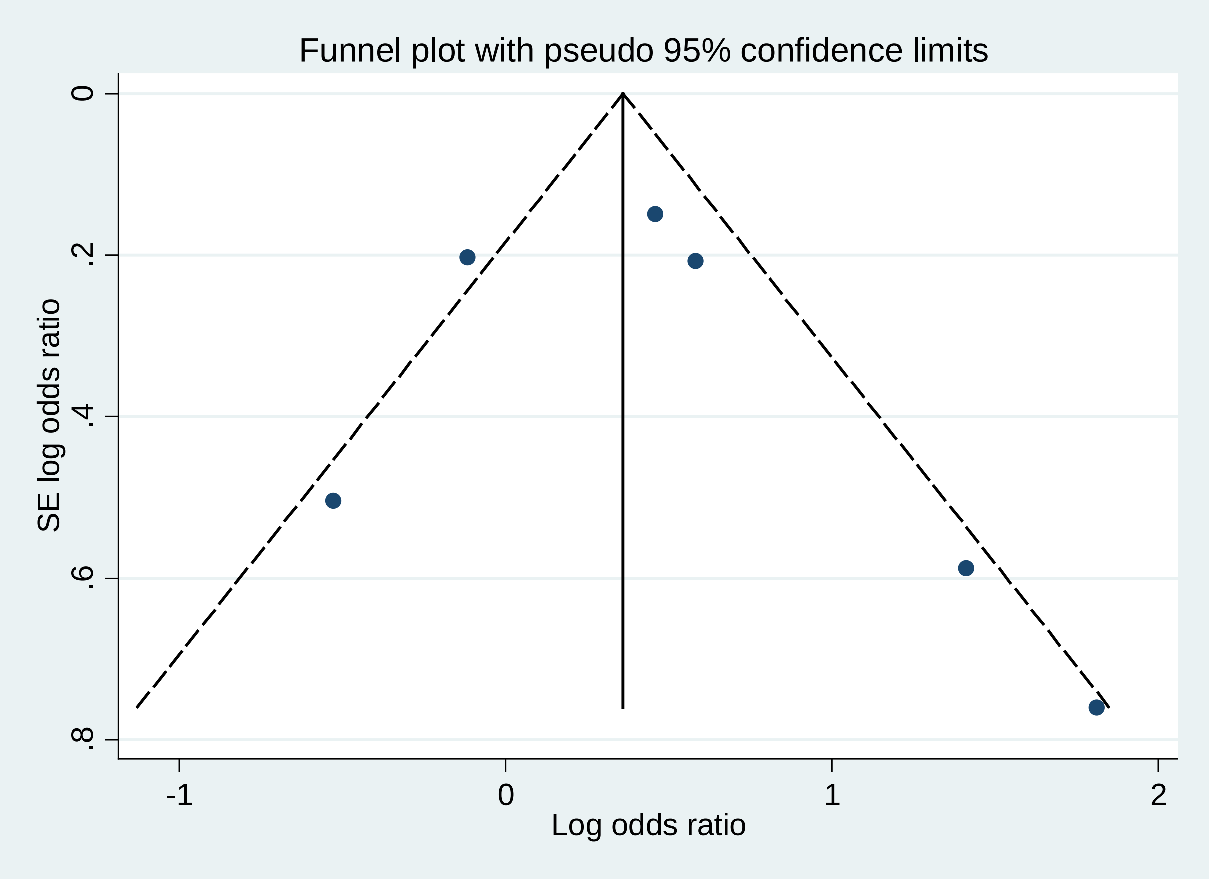
Study	ES	[95% Conf.	Interval]	% Weight
60	0.590	0.220	1.590	11.68
61	6.120	1.380	27.130	6.66
62	1.580	1.180	2.120	25.57
104	0.890	0.600	1.330	23.32
253	1.790	1.190	2.680	23.14
262	4.100	1.300	13.000	9.64
D+L pooled ES	1.521	0.982	2.357	100.00

Test of ES=1 : z= 1.88 p = 0.061



```
Heterogeneity chi-squared =  17.03 (d.f. = 5) p = 0.004
I-squared (variation in ES attributable to heterogeneity) =  70.6%
Estimate of between-study variance Tau-squared =  0.1730
```

```
Meta-analysis of Bonferroni-corrected p-values
--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   .91389648    .18038562    7
--------------------------------------------------------------
```




```
Test of H0: no small-study effects          P = 0.614
```

Meta-regression: sample size (n) Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9952392	.0043872	-1.08	0.340	.9831325	1.007495
_cons	5.670648	6.877721	1.43	0.226	.1955098	164.4738

Meta-regression: statistical adjustment Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.225072	.2318713	-1.45	0.221	.0128855	3.931358
_cons	6.12	6.091287	1.82	0.143	.3860235	97.02621

Meta-regression: quality rating Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9966682	.0415937	-0.08	0.940	.8876249	1.119107
_cons	2.043751	5.975308	0.24	0.819	.0006096	6851.824

Meta-regression: crime outcome categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	2.769892	2.759822	1.02	0.382	.1162435	66.00199
outcat2	1.748351	1.649096	0.59	0.595	.0868906	35.17906
_cons	.89	.6976109	-0.15	0.891	.0734582	10.783

Meta-regression: population categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat2	.6868584	.7187013	-0.36	0.743	.0245852	19.1894
popcat3	1.288918	1.417001	0.23	0.832	.0389727	42.62746
_cons	1.79	1.563737	0.67	0.553	.1110298	28.85803

Meta-regression: length of follow-up (fu) Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	.993506	.0153508	-0.42	0.695	.9517868	1.037054
_cons	2.380481	2.329178	0.89	0.425	.1573464	36.01411

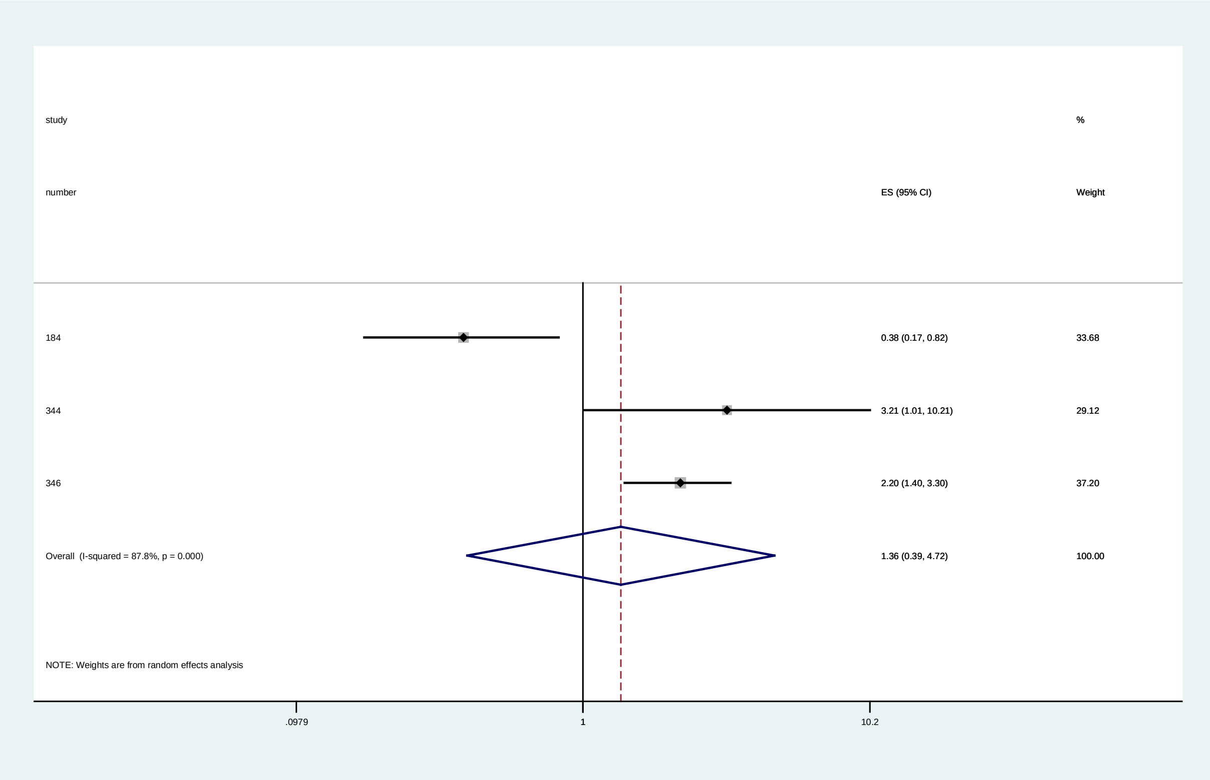
9.6.3 Meta-analysis: exposure 3

Exposure
Ethnic minority

	exp_cat	out_cat	pop_cat
1.	ethnic minority	criminality	non-incarcerated juvenile offender
2.	ethnic minority	violent crime	non-incarcerated juvenile offender
3.	ethnic minority	violent crime	sex offender

Study	ES	[95% Conf.	Interval]	% Weight
184	0.380	0.170	0.820	33.68
344	3.210	1.010	10.210	29.12
346	2.200	1.400	3.300	37.20
D+L pooled ES	1.359	0.392	4.717	100.00

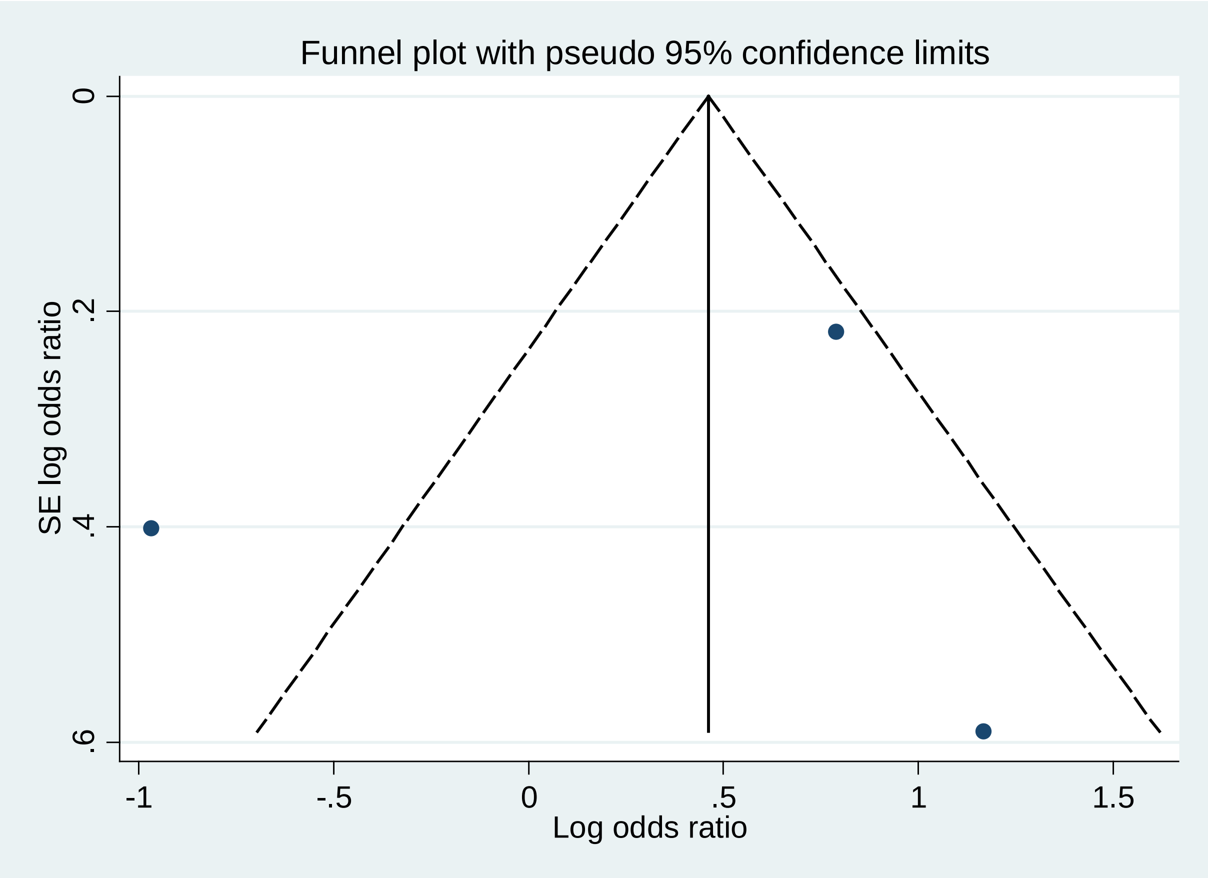
Test of ES=1 : z= 0.48 p = 0.629



Heterogeneity chi-squared = 16.33 (d.f. = 2) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 87.8%
Estimate of between-study variance Tau-squared = 1.0353

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.73321511	.76828638	11



Test of H0: no small-study effects P = 0.791

Meta-regression: sample size (n) Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9991883	.0017945	-0.45	0.730	.9766456	1.022251
_cons	2.582711	4.225483	0.58	0.665	2.42e-09	2.76e+09

Meta-regression: statistical adjustment Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.1650223	.0743869	-4.00	0.156	.0005371	50.69805
_cons	2.30272	.4722934	4.07	0.153	.1699956	31.19209

```
Meta-regression: quality rating                      Number of obs  =       3

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |    1.19067   .5076202     0.41   0.753     .0052868    268.1567
       _cons |   .0000194   .0005287    -0.40   0.759     4.7e-156    8.0e+145
------------------------------------------------------------------------------

Meta-regression: crime outcome categories            Number of obs  =       3

insufficient observations


Meta-regression: population categories               Number of obs  =       3

insufficient observations

Meta-regression: length of follow-up (fu)            Number of obs  =       3

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   .9716255   .0318716    -0.88   0.541     .6404543    1.474041
       _cons |   6.910534   13.65272     0.98   0.507     8.66e-11    5.52e+11
------------------------------------------------------------------------------
```

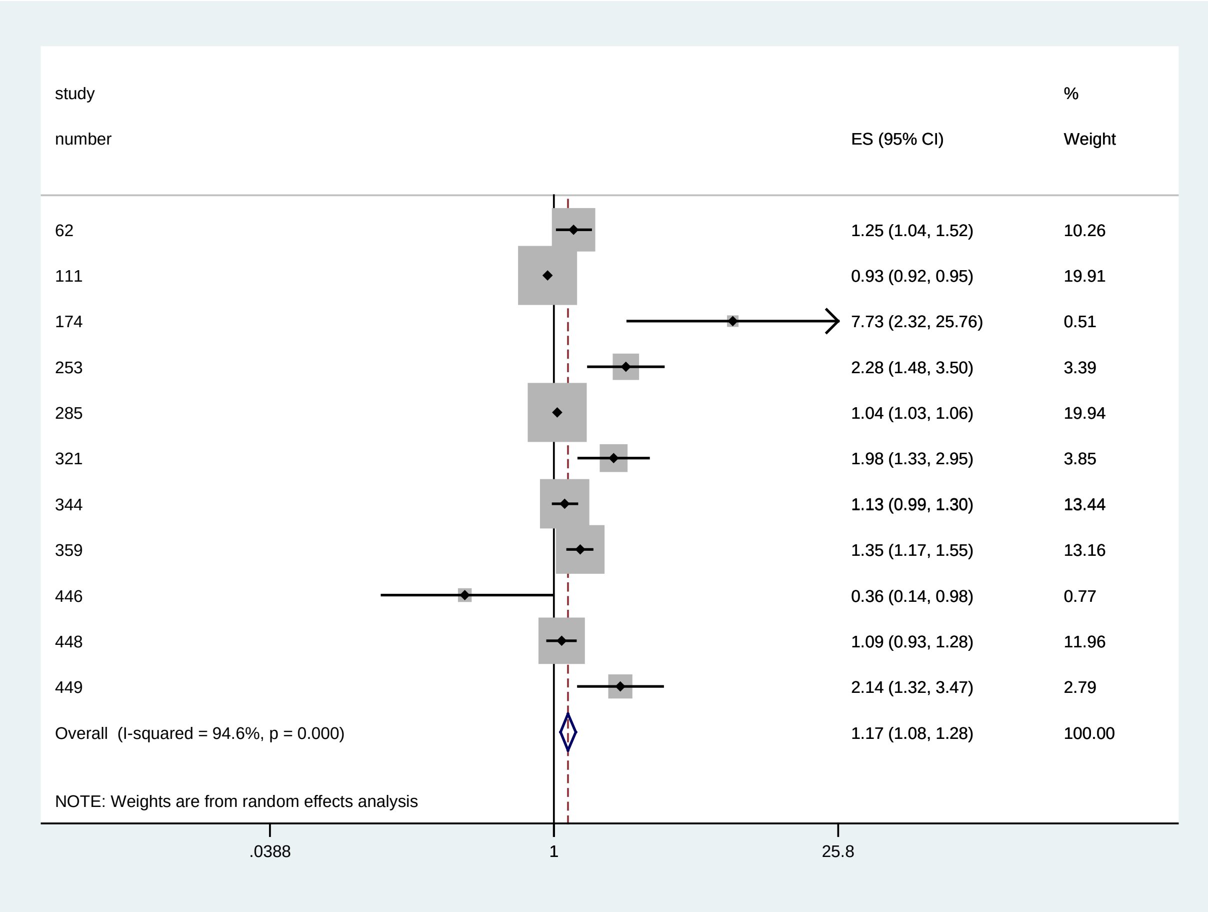
9.6.4 Meta-analysis: exposure 4

Exposure
Prior criminality

	exp_cat	out_cat	pop_cat
1.	prior criminality	property crime	incarcerated juvenile offender
2.	prior criminality	criminality	incarcerated offenders
3.	prior criminality	violent crime	non-incarcerated offenders
4.	prior criminality	violent crime	sex offender
5.	prior criminality	criminality	non-incarcerated juvenile offender
6.	prior criminality	sexual crime	sex offender
7.	prior criminality	violent crime	non-incarcerated juvenile offender
8.	prior criminality	violent crime	non-incarcerated offenders
9.	prior criminality	criminality	non-incarcerated offenders
10.	prior criminality	violent crime	non-incarcerated offenders
11.	prior criminality	criminality	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
62	1.250	1.040	1.520	10.26
111	0.930	0.920	0.950	19.91
174	7.730	2.320	25.760	0.51
253	2.280	1.480	3.500	3.39
285	1.040	1.030	1.060	19.94
321	1.980	1.330	2.950	3.85
344	1.130	0.990	1.300	13.44
359	1.350	1.170	1.550	13.16
446	0.360	0.140	0.980	0.77
448	1.090	0.930	1.280	11.96
449	2.140	1.320	3.470	2.79
D+L pooled ES	1.174	1.076	1.281	100.00

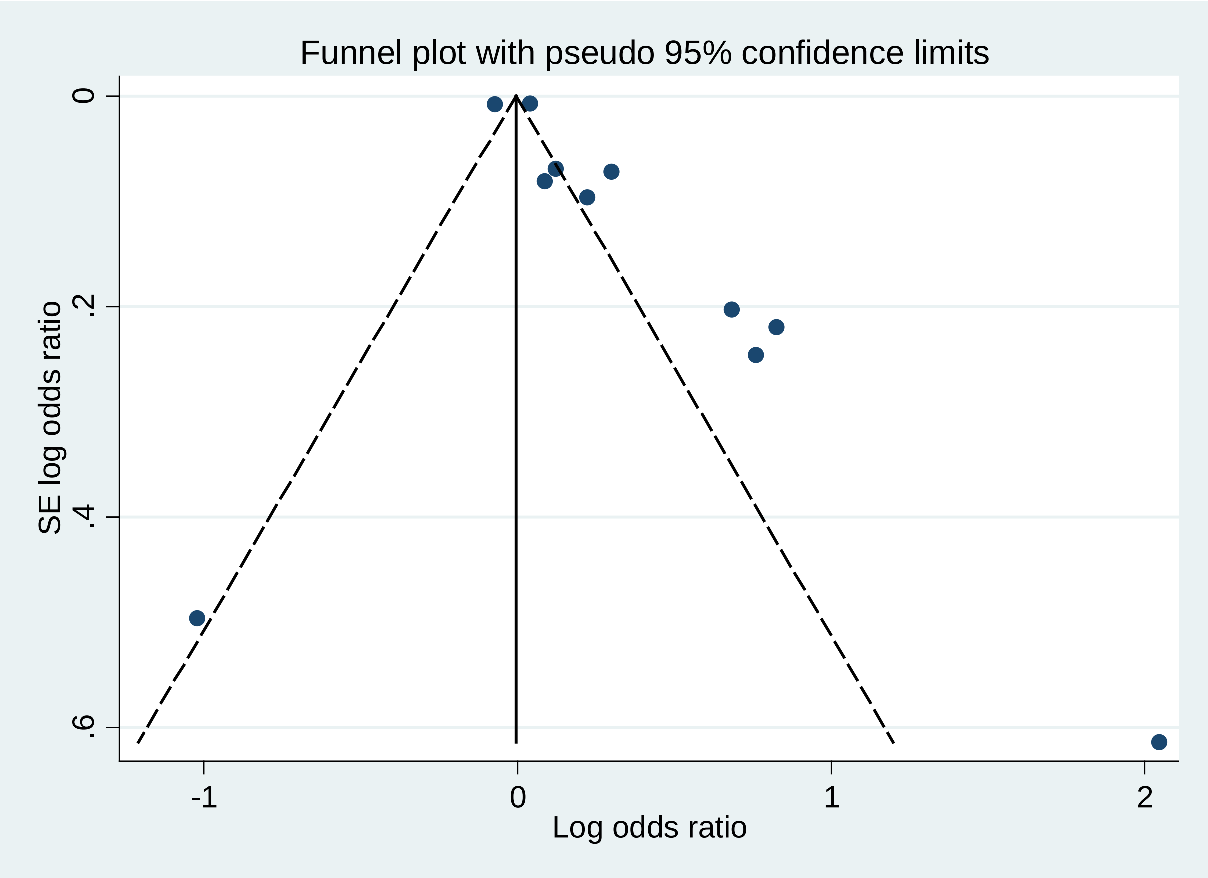
Test of ES=1 : z= 3.62 p = 0.000




```
Heterogeneity chi-squared = 183.53 (d.f. = 10) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  94.6%
Estimate of between-study variance Tau-squared =  0.0098

Meta-analysis of Bonferroni-corrected p-values
```

Method	Z	p_value	studies
Edgington, Normal	2.0330627	.02102309	22




```
Test of H0: no small-study effects          P = 0.117


Meta-regression: sample size (n)                      Number of obs  =       11

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           n |   .9998884   .0001239    -0.90   0.391     .9996082    1.000169
       _cons |    1.46438   .2774571     2.01   0.075     .9539155    2.248008
------------------------------------------------------------------------------

Meta-regression: statistical adjustment               Number of obs  =       11

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    adjusted |   1.040134   .3728718     0.11   0.915     .4622731    2.340343
       _cons |   1.317956   .3622419     1.00   0.341     .7077426    2.454293
------------------------------------------------------------------------------

Meta-regression: quality rating                       Number of obs  =       11

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |    .995856   .0334504    -0.12   0.904     .9229894    1.074475
       _cons |   1.788835   4.104607     0.25   0.806     .0099607     321.257
```

Meta-regression: crime outcome categories Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	.8147415	.5614987	-0.30	0.775	.1596898	4.156832
outcat2	.6313131	.5445216	-0.53	0.610	.0821265	4.852955
outcat3	.5154409	.3630722	-0.94	0.378	.097456	2.726145
_cons	1.98	1.242807	1.09	0.313	.4488211	8.734883

Meta-regression: population categories Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	1.698036	1.269266	0.71	0.505	.2726486	10.57524
popcat3	.8668161	.6263675	-0.20	0.850	.1479199	5.079575
popcat4	1.129013	.7561477	0.18	0.862	.2192689	5.813274
popcat5	.744	.6171812	-0.36	0.734	.097731	5.663874
_cons	1.25	.7417467	0.38	0.720	.2926297	5.339513

Meta-regression: length of follow-up (fu) Number of obs = 11

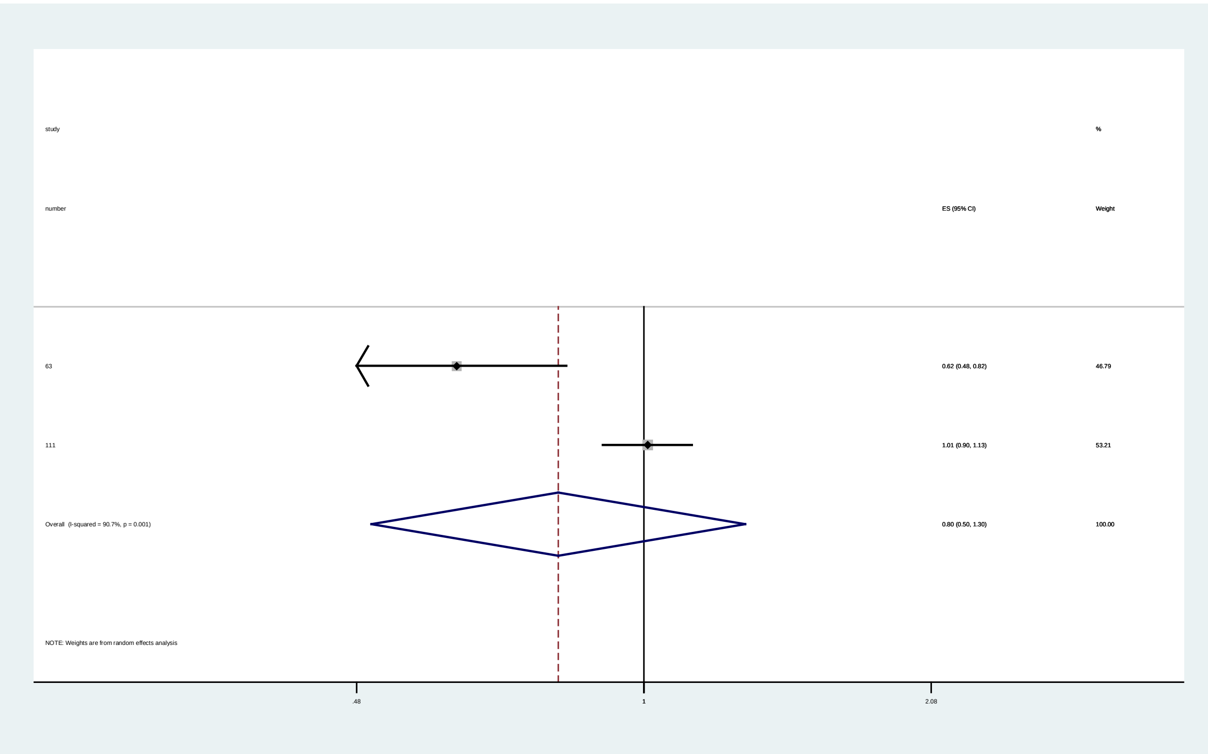
ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.001557	.0021836	0.71	0.494	.9966296	1.006509
_cons	1.199686	.2531417	0.86	0.411	.7443307	1.933613

9.6.5 Meta-analysis: exposure 6

Exposure
Psychotic symptoms

```
     +------------------------------------------------------------------+
     |             exp_cat         out_cat                      pop_cat |
     |------------------------------------------------------------------|
  1. | psychotic symptoms   violent crime   incarcerated juvenile offender |
  2. | psychotic symptoms     criminality            incarcerated offenders |
     +------------------------------------------------------------------+
```

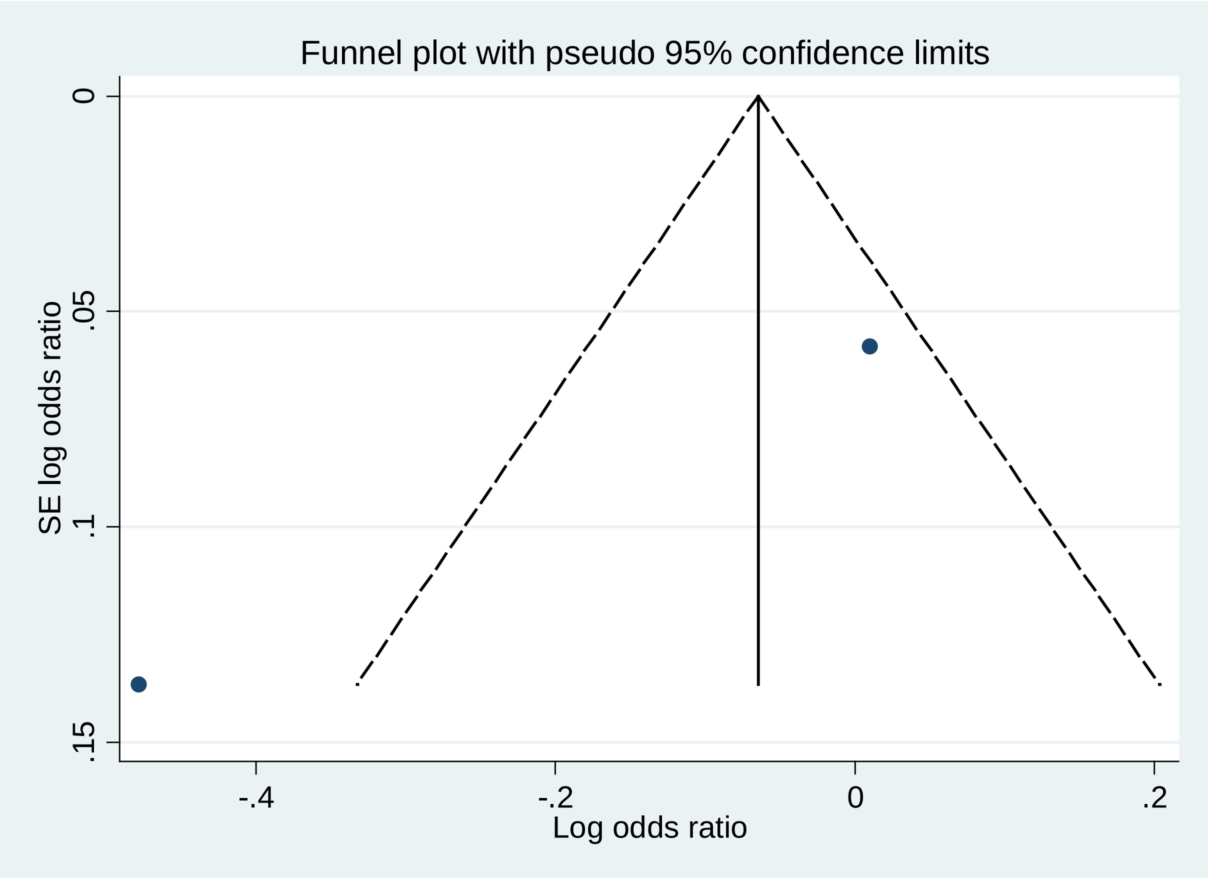
```
           Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
63                   |  0.620       0.480     0.820          46.79
111                  |  1.010       0.900     1.130          53.21
---------------------+---------------------------------------------------
D+L pooled ES        |  0.804       0.499     1.295         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.90 p = 0.370
```




```
Heterogeneity chi-squared =  10.81 (d.f. = 1) p = 0.001
I-squared (variation in ES attributable to heterogeneity) =  90.7%
Estimate of between-study variance Tau-squared =  0.1080
```

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.01373317	.49452143	2



Test of H0: no small-study effects   P =   .

Meta-regression: insufficient observations

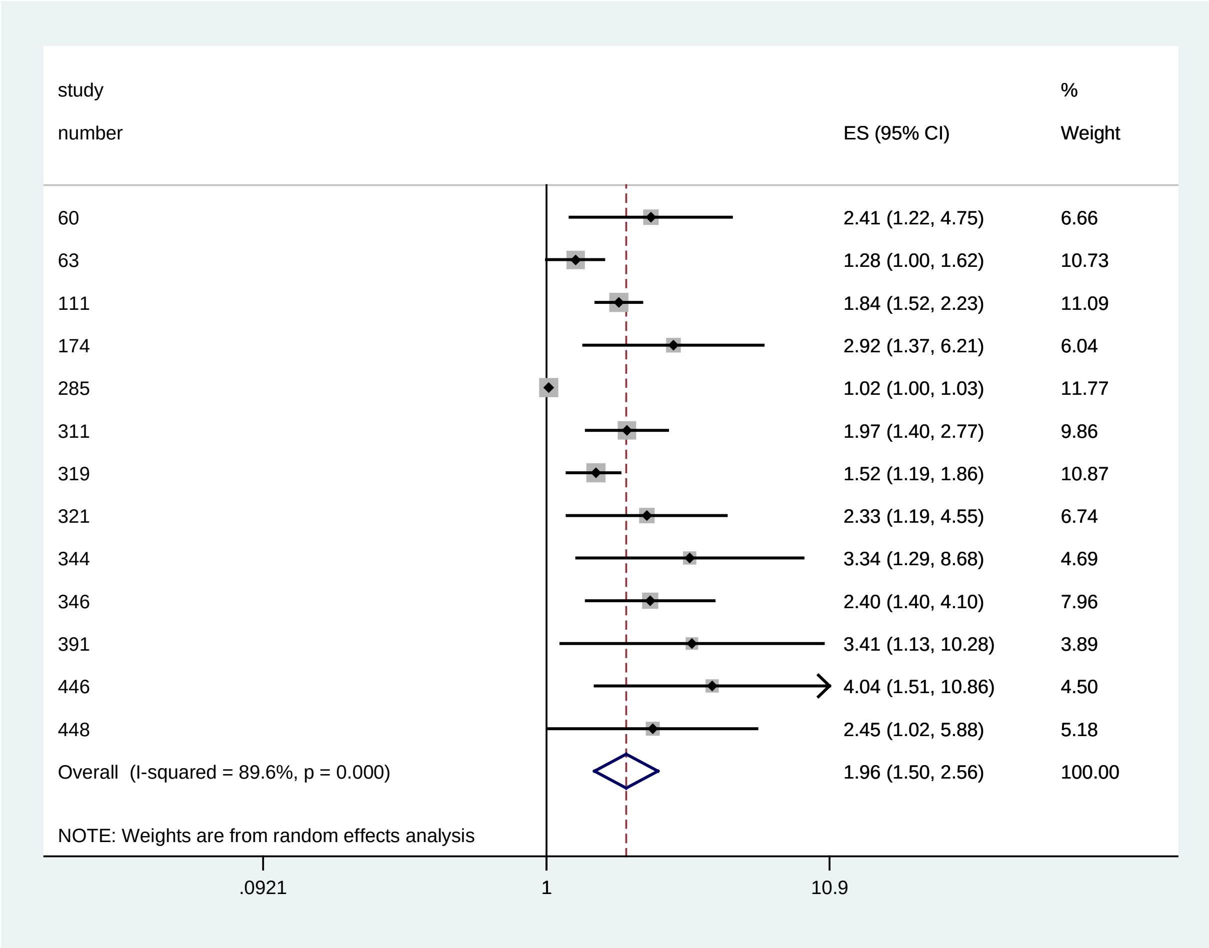
9.6.6 Meta-analysis: exposure 7

Exposure
Drugs alcohol

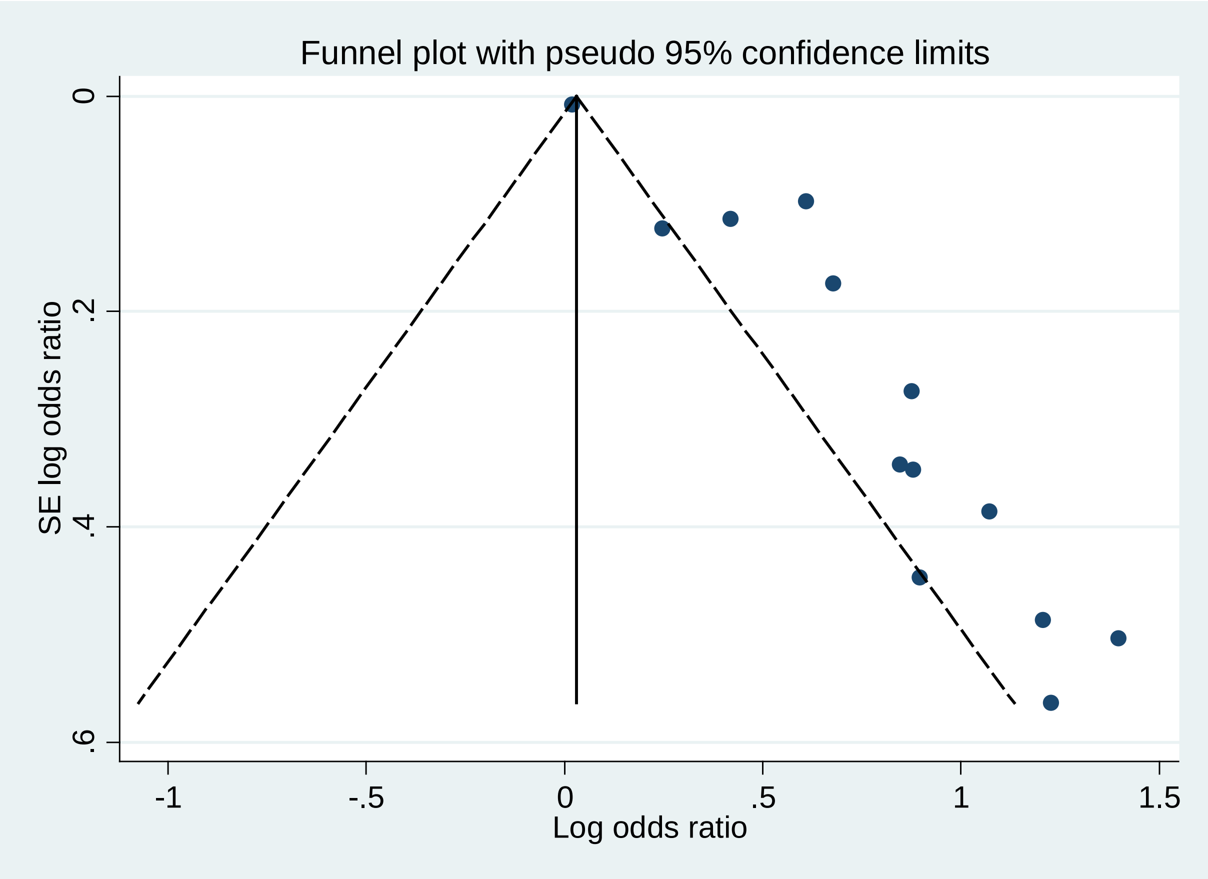
	exp_cat	out_cat	pop_cat
1.	drugs/alcohol	drug related crime	incarcerated juvenile offender
2.	drugs/alcohol	violent crime	incarcerated juvenile offender
3.	drugs/alcohol	criminality	incarcerated offenders
4.	drugs/alcohol	violent crime	non-incarcerated offenders
5.	drugs/alcohol	criminality	non-incarcerated juvenile offender
6.	drugs/alcohol	violent crime	non-incarcerated offenders
7.	drugs/alcohol	criminality	psychiatric patients
8.	drugs/alcohol	violent crime	sex offender
9.	drugs/alcohol	violent crime	non-incarcerated juvenile offender
10.	drugs/alcohol	violent crime	sex offender
11.	drugs/alcohol	violent crime	non-incarcerated offenders
12.	drugs/alcohol	criminality	non-incarcerated offenders
13.	drugs/alcohol	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
60	2.410	1.220	4.750	6.66
63	1.280	1.000	1.620	10.73
111	1.840	1.520	2.230	11.09
174	2.920	1.370	6.210	6.04
285	1.020	1.000	1.030	11.77
311	1.970	1.400	2.770	9.86
319	1.520	1.190	1.860	10.87
321	2.330	1.190	4.550	6.74
344	3.340	1.290	8.680	4.69
346	2.400	1.400	4.100	7.96
391	3.410	1.130	10.280	3.89
446	4.040	1.510	10.860	4.50
448	2.450	1.020	5.880	5.18
D+L pooled ES	1.959	1.501	2.557	100.00

Test of ES=1 : z= 4.95 p = 0.000



Heterogeneity chi-squared = 115.57 (d.f. = 12) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 89.6%
Estimate of between-study variance Tau-squared = 0.1569



Test of H0: no small-study effects P = 0.000

Meta-regression: sample size (n) Number of obs = 13

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9999633	.0000734	-0.50	0.627	.9998018	1.000125
_cons	2.022226	.3238503	4.40	0.001	1.421512	2.876795

Meta-regression: statistical adjustment Number of obs = 13

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.199568	.2863148	0.76	0.462	.7093737	2.028499
_cons	1.685599	.3173679	2.77	0.018	1.11373	2.551105

Meta-regression: quality rating Number of obs = 13

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9627405	.017009	-2.15	0.055	.9260226	1.000914
_cons	22.42038	26.28301	2.65	0.022	1.698584	295.9368

Meta-regression: crime outcome categories Number of obs = 13

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	1.387434	.3260592	1.39	0.194	.8218678	2.342195
outcat2	1.565293	.7747209	0.91	0.387	.5195901	4.715527
_cons	1.539648	.2699776	2.46	0.034	1.041695	2.275634

Meta-regression: population categories Number of obs = 13

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	1.28737	.5554682	0.59	0.577	.464091	3.571116
popcat2	.8569838	.3472832	-0.38	0.715	.3287118	2.234241
popcat3	.7122945	.2887569	-0.84	0.430	.2731161	1.857684
popcat4	1.405204	.5297025	0.90	0.397	.5762691	3.426522
popcat5	.8260869	.3653145	-0.43	0.679	.2903274	2.350518
_cons	1.84	.5703119	1.97	0.090	.8841269	3.829315

Meta-regression: length of follow-up (fu) Number of obs = 13

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.00251	.0017533	1.43	0.179	.9986589	1.006377
_cons	1.6255	.229886	3.44	0.006	1.1907	2.219072

9.6.7 Meta-analysis: exposure 8

Exposure
Poor treatment engagement

Insufficient data for relative risk meta-analysis

Meta-analysis of p_values

Method	Z	p_value	studies
Edgington, Normal	-.82324376	.79481531	4

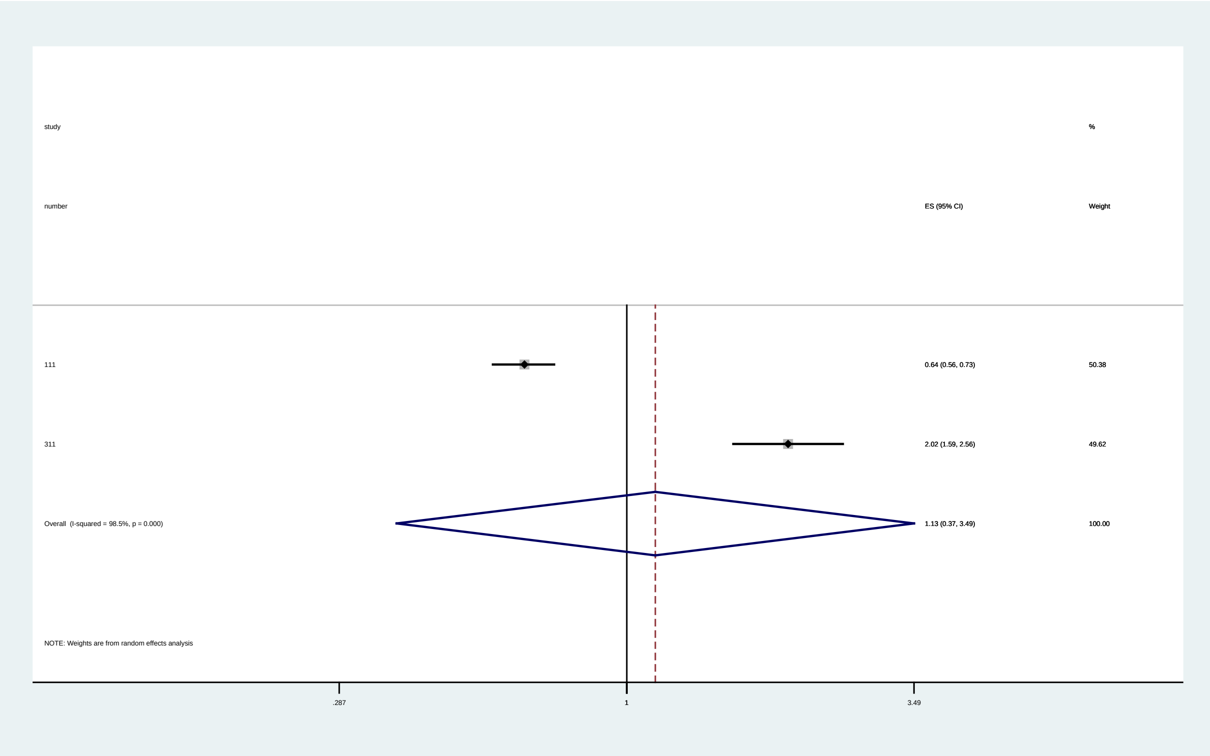
9.6.8 Meta-analysis: exposure 9

Exposure
Male sex

	exp_cat	out_cat	pop_cat
1.	sex	criminality	incarcerated offenders
2.	sex	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
111	0.641	0.559	0.730	50.38
311	2.020	1.590	2.560	49.62
D+L pooled ES	1.133	0.368	3.489	100.00

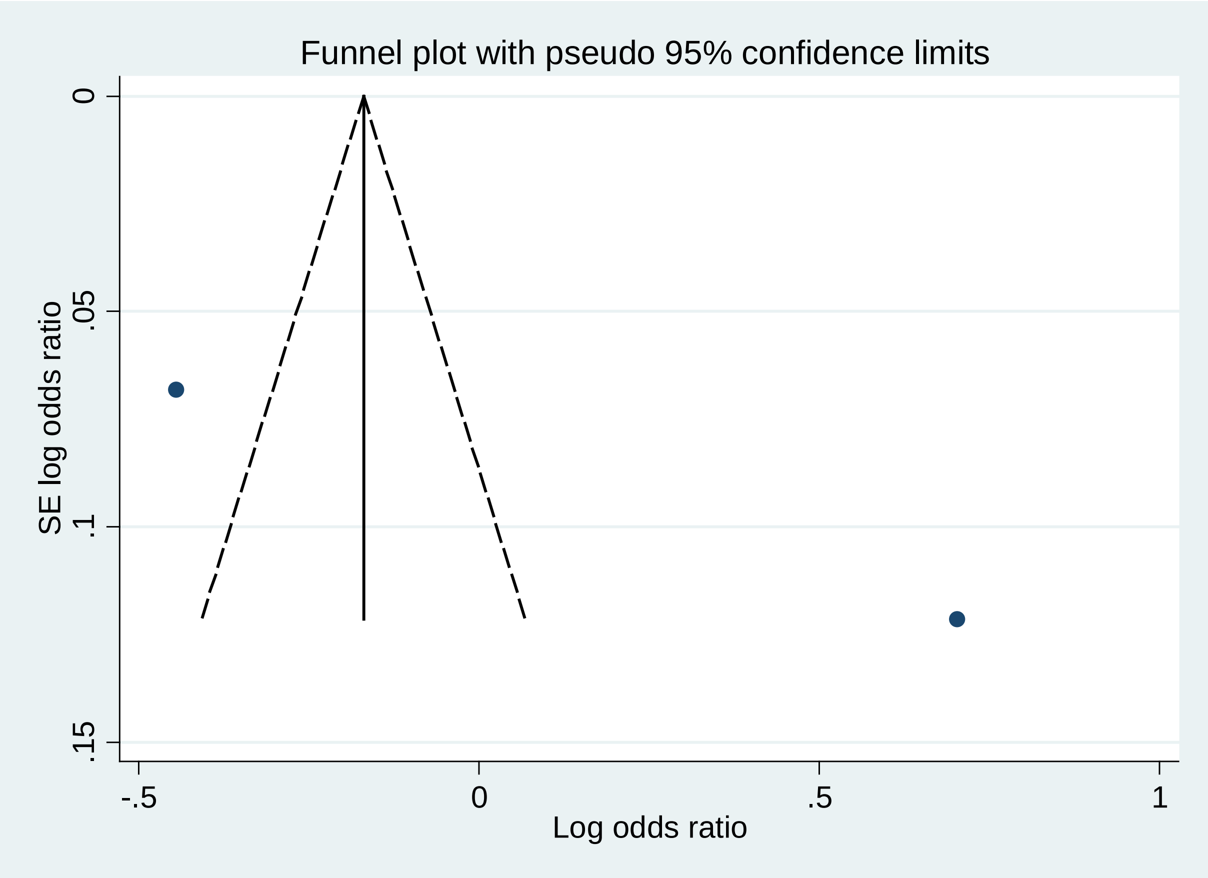
Test of ES=1 : z= 0.22 p = 0.828



Heterogeneity chi-squared = 67.85 (d.f. = 1) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 98.5%
Estimate of between-study variance Tau-squared = 0.6490

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.85705193	.19570809	8



Test of H0: no small-study effects   P =   .

Meta-regression: insufficient observations

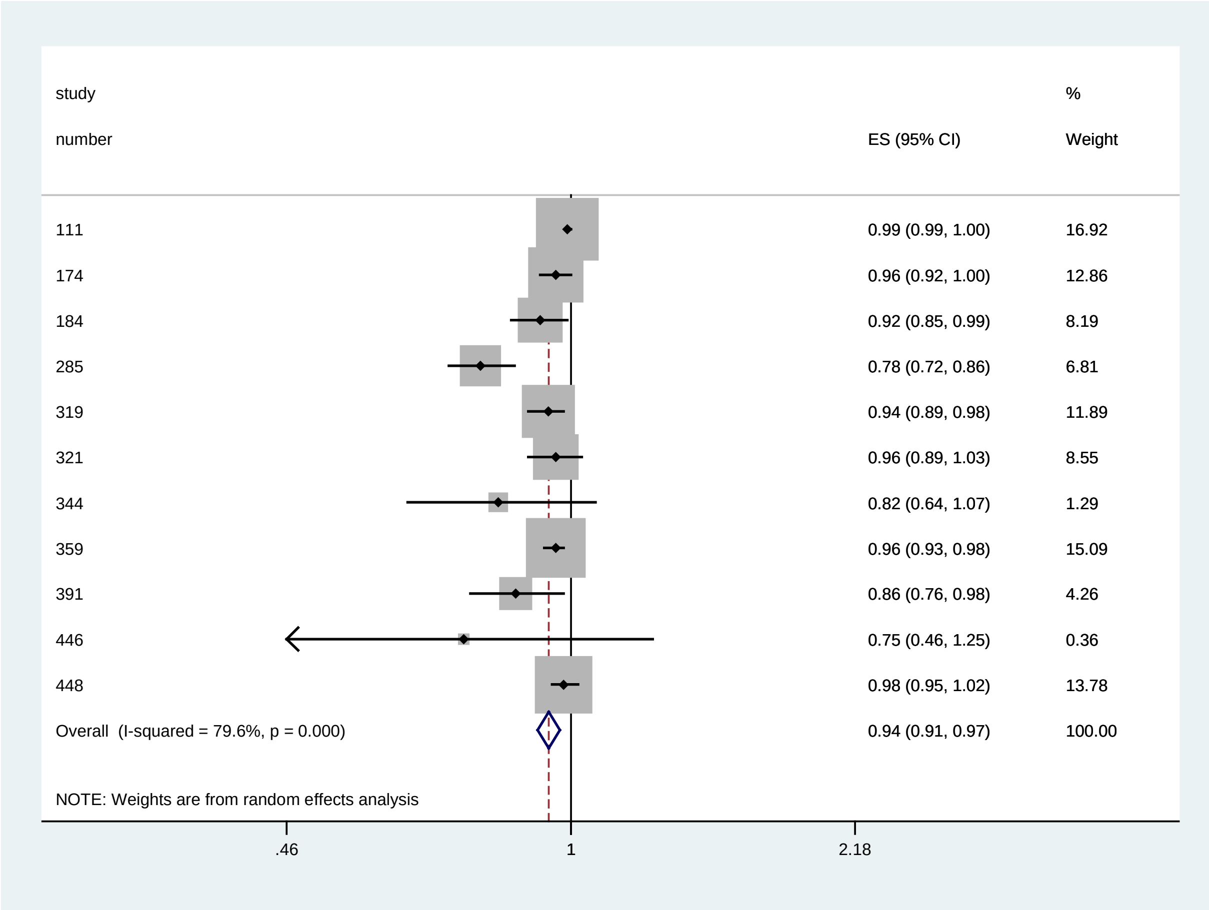
9.6.9 Meta-analysis: exposure 10

Exposure
Older age

	exp_cat	out_cat	pop_cat
1.	age	criminality	incarcerated offenders
2.	age	violent crime	non-incarcerated offenders
3.	age	criminality	non-incarcerated juvenile offender
4.	age	criminality	non-incarcerated juvenile offender
5.	age	criminality	psychiatric patients
6.	age	violent crime	sex offender
7.	age	violent crime	non-incarcerated juvenile offender
8.	age	criminality	non-incarcerated offenders
9.	age	violent crime	non-incarcerated offenders
10.	age	criminality	non-incarcerated offenders
11.	age	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
111	0.990	0.990	1.000	16.92
174	0.960	0.920	1.000	12.86
184	0.920	0.850	0.990	8.19
285	0.781	0.716	0.857	6.81
319	0.940	0.890	0.980	11.89
321	0.960	0.890	1.030	8.55
344	0.820	0.640	1.070	1.29
359	0.960	0.930	0.980	15.09
391	0.860	0.760	0.980	4.26
446	0.746	0.460	1.252	0.36
448	0.980	0.950	1.020	13.78
D+L pooled ES	0.941	0.913	0.970	100.00

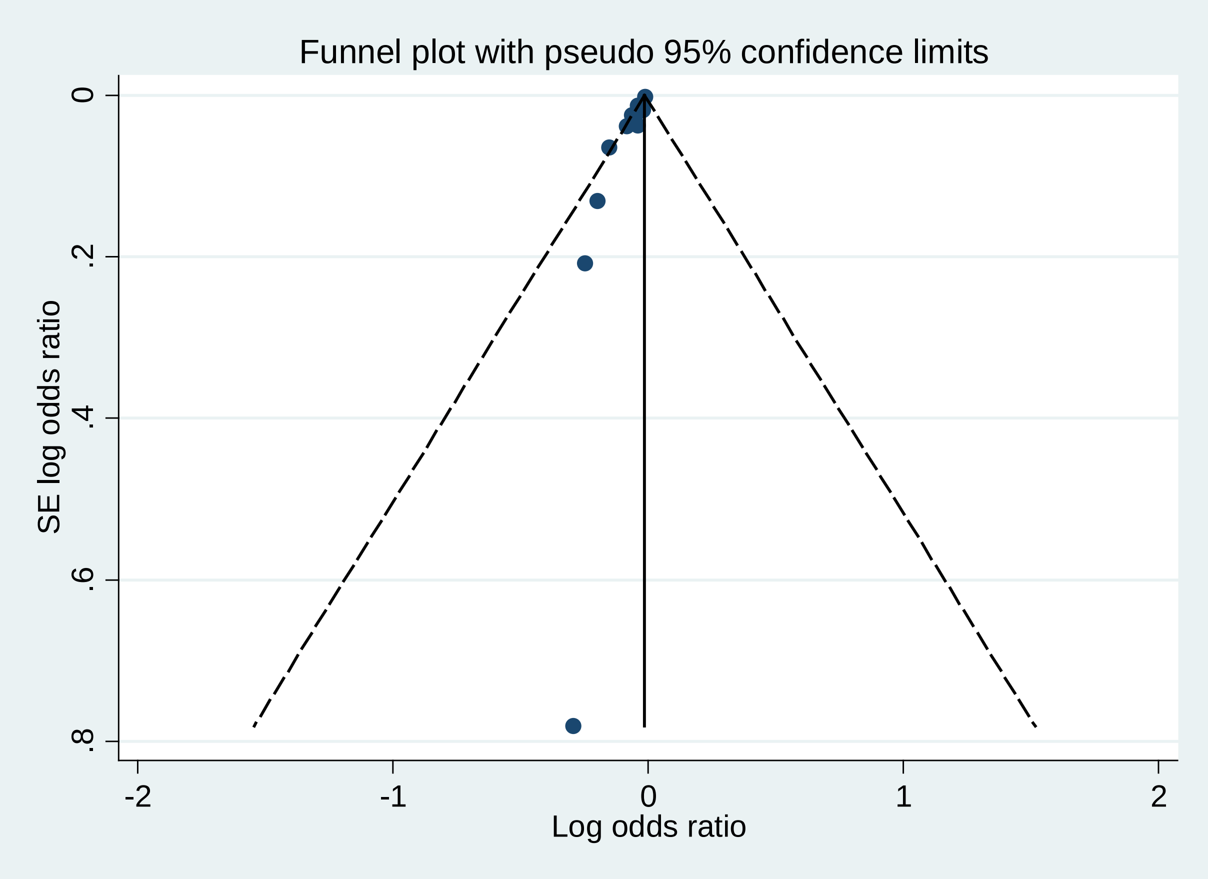
Test of ES=1 : z= 3.91 p = 0.000




```
Heterogeneity chi-squared =  49.04 (d.f. = 10) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  79.6%
Estimate of between-study variance Tau-squared =  0.0014

Meta-analysis of Bonferroni-corrected p-values

-------------------------------------------------------------
 Method                 |   Z            p_value      studies
----------------------+--------------------------------------
 Edgington, Normal      |   -1.4944716   .9324738     21
-------------------------------------------------------------
```




```
Test of H0: no small-study effects          P = 0.000


Meta-regression: sample size (n)                    Number of obs   =        11

------------------------------------------------------------------------------
        ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
            n |   1.000009   2.27e-06     3.77   0.004     1.000003    1.000014
        _cons |   .9554268   .0085993    -5.07   0.001     .9361705    .9750792
------------------------------------------------------------------------------

Meta-regression: statistical adjustment             Number of obs   =        11

------------------------------------------------------------------------------
        ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     adjusted |   1.033129    .019445     1.73   0.117     .9900641    1.078066
        _cons |   .9449803   .0147787    -3.62   0.006     .9121331    .9790105
------------------------------------------------------------------------------


Meta-regression: quality rating                     Number of obs   =        11

------------------------------------------------------------------------------
        ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      quality |   1.004193   .0022189     1.89   0.091     .9991857    1.009224
```

```
       _cons |   .7295518   .1090564    -2.11   0.064     .5202315    1.023094
------------------------------------------------------------------------------


Meta-regression: crime outcome categories           Number of obs  =       11

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     outcat1 |   .9943515   .0226967    -0.25   0.810      .944311    1.047044
       _cons |   .9633024   .0136049    -2.65   0.027     .9330123    .9945758
------------------------------------------------------------------------------

Meta-regression: population categories              Number of obs  =       11

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     popcat1 |   .9696969   .0362246    -0.82   0.442      .884989    1.062513
     popcat2 |   .9162735   .0337136    -2.38   0.055     .8373839    1.002595
     popcat3 |   .9728594   .0095678    -2.80   0.031     .9497274    .9965549
     popcat4 |   .9494949   .0234598    -2.10   0.081     .8937917     1.00867
       _cons |        .99   .0025382    -3.92   0.008     .9838086    .9962303
------------------------------------------------------------------------------

Meta-regression: length of follow-up (fu)           Number of obs  =       11

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   .9999715    .000179    -0.16   0.877     .9995667    1.000377
       _cons |   .9636632   .0142048    -2.51   0.033     .9320596    .9963384
------------------------------------------------------------------------------
```

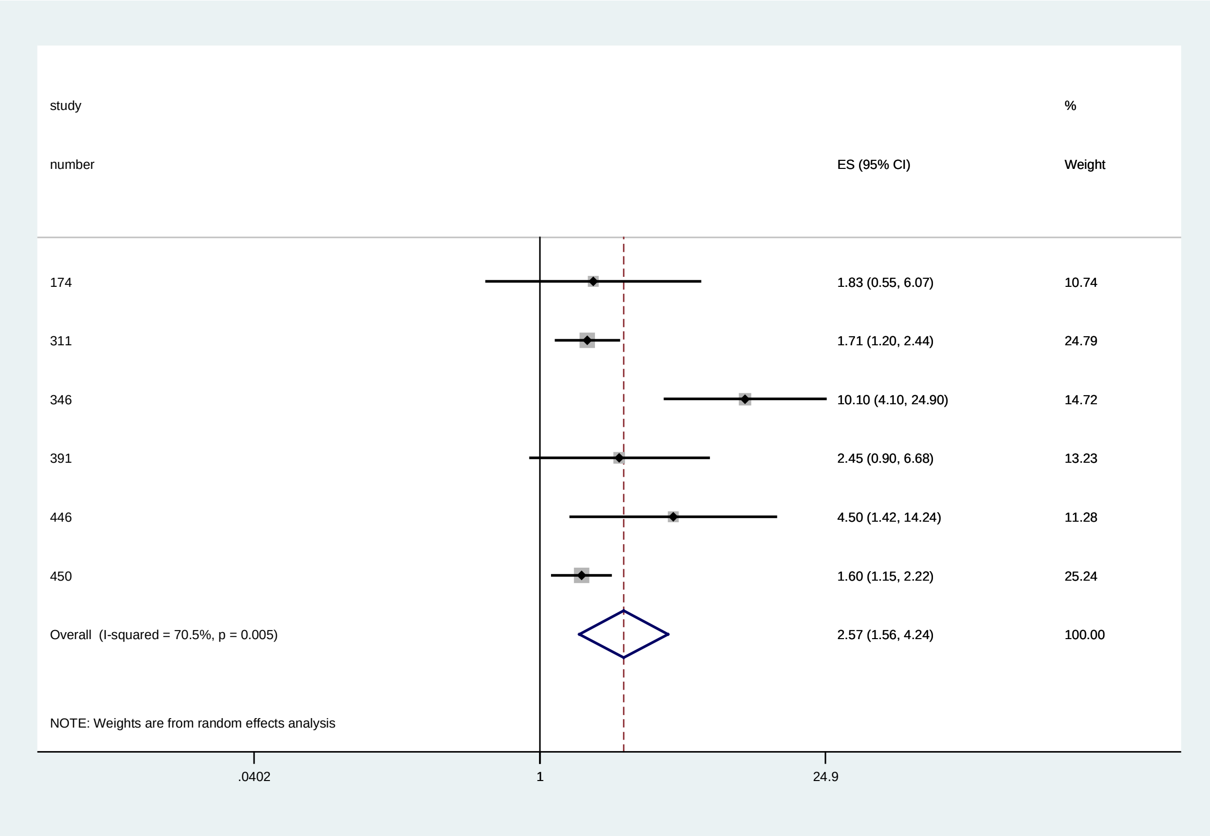
9.6.10 Meta-analysis: exposure 11

Exposure
Personality

	exp_cat	out_cat	pop_cat
1.	personality	violent crime	non-incarcerated offenders
2.	personality	violent crime	non-incarcerated offenders
3.	personality	sexual crime	sex offender
4.	personality	violent crime	non-incarcerated offenders
5.	personality	criminality	non-incarcerated offenders
6.	personality	criminality	incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
174	1.830	0.550	6.070	10.74
311	1.710	1.200	2.440	24.79
346	10.100	4.100	24.900	14.72
391	2.450	0.900	6.680	13.23
446	4.500	1.420	14.240	11.28
450	1.600	1.150	2.220	25.24
D+L pooled ES	2.573	1.562	4.239	100.00

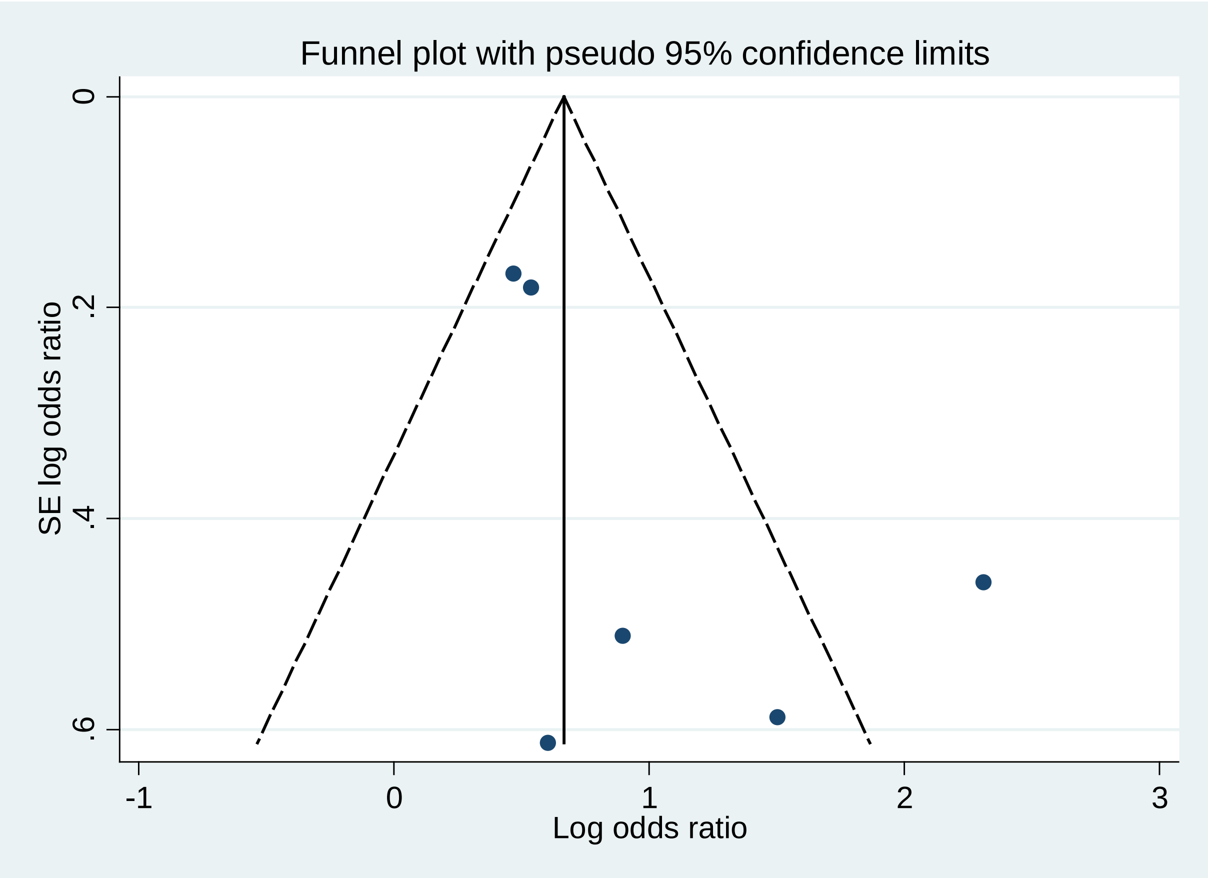
Test of ES=1 : z= 3.71 p = 0.000



```
Heterogeneity chi-squared =  16.92 (d.f. = 5) p = 0.005
I-squared (variation in ES attributable to heterogeneity) =  70.5%
Estimate of between-study variance Tau-squared =  0.2287
```

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.00817004	.50325934	12



Test of H0: no small-study effects   P = 0.134

Meta-regression: sample size (n)   Number of obs   =   6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9998796	.0001775	-0.68	0.535	.9993868	1.000373
_cons	3.260672	1.39015	2.77	0.050	.9982293	10.65084

Meta-regression: statistical adjustment   Number of obs   =   6

---

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
adjusted	1.382592	1.022119	0.44	0.684	.1775321	10.7674
_cons	2.139647	1.345352	1.21	0.293	.3733972	12.26064

Meta-regression: quality rating Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
quality	.9890764	.0454723	-0.24	0.823	.8705506	1.12374
_cons	5.58102	16.95722	0.57	0.602	.0012108	25725.77

Meta-regression: crime outcome categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
outcat1	.1795198	.0938548	-3.29	0.046	.0340037	.9477592
outcat2	.1790065	.0940641	-3.27	0.047	.0336198	.9531088
_cons	10.1	4.872888	4.79	0.017	2.175197	46.8969

Meta-regression: population categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
popcat1	6.312501	3.290801	3.53	0.039	1.201385	33.1681
popcat2	1.230186	.3436349	0.74	0.512	.5057031	2.992582
_cons	1.6	.3359307	2.24	0.111	.8202286	3.121081

Meta-regression: length of follow-up (fu) Number of obs = 6

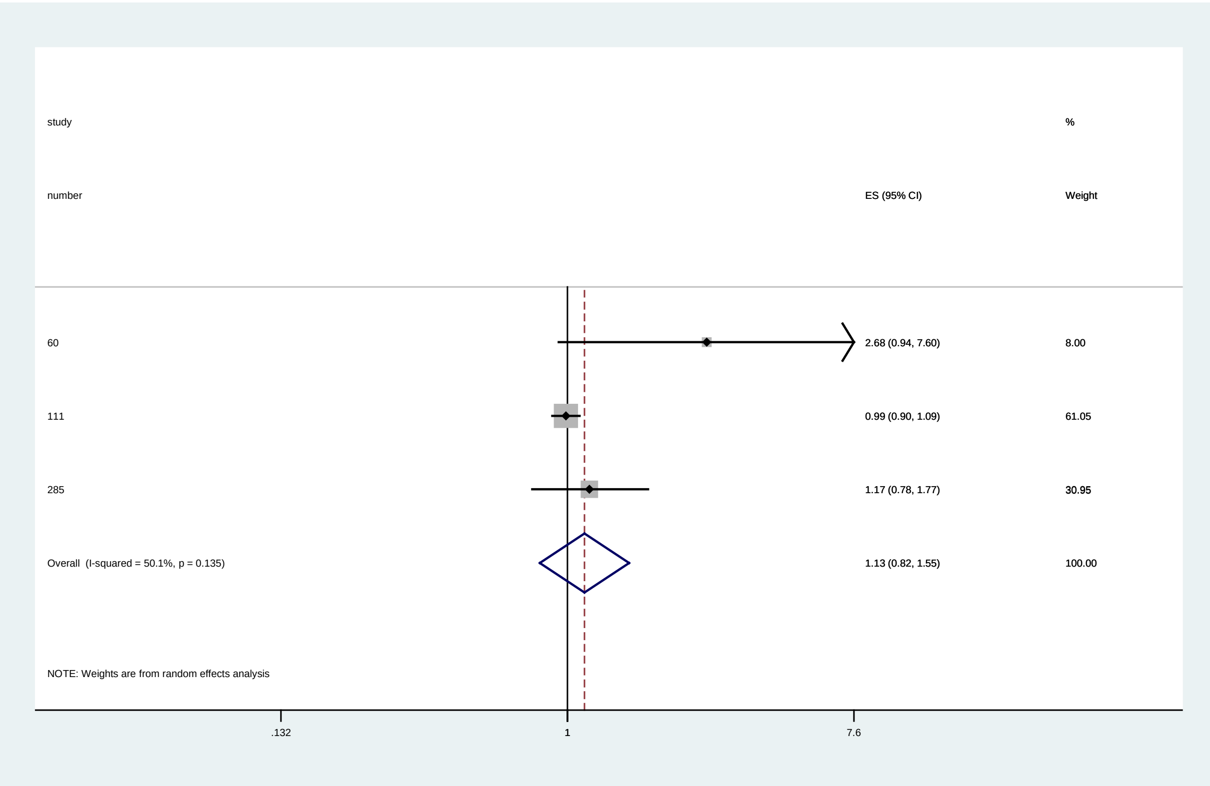
ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
fu	1.01536	.0103003	1.50	0.207	.9871613	1.044365
_cons	1.097438	.6893506	0.15	0.889	.1918518	6.27761

9.6.11 Meta-analysis: exposure 13

Exposure
Anxiety

```
     +--------------------------------------------------------------+
     | exp_cat          out_cat                              pop_cat |
     |--------------------------------------------------------------|
  1. | anxiety   property crime       incarcerated juvenile offender |
  2. | anxiety      criminality               incarcerated offenders |
  3. | anxiety      criminality   non-incarcerated juvenile offender |
     +--------------------------------------------------------------+

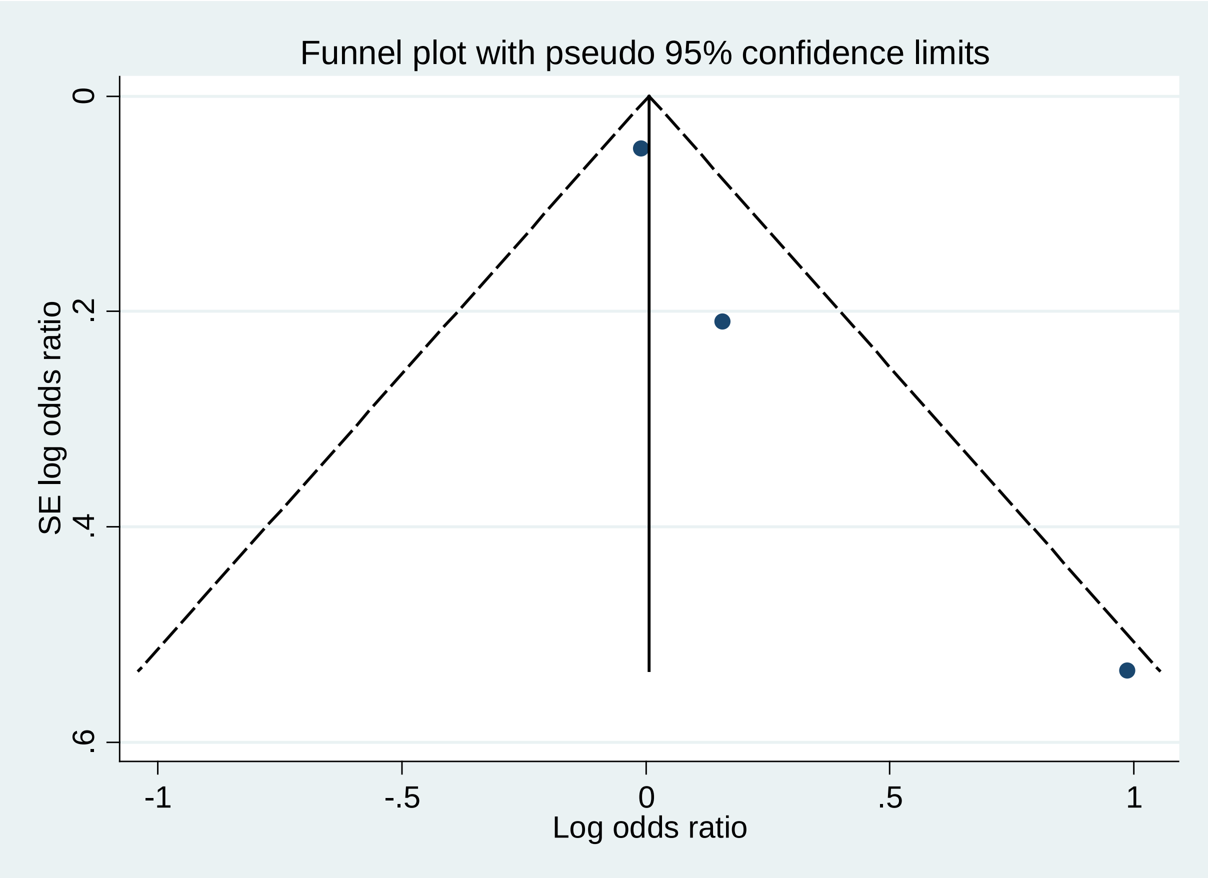
           Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
60                   |  2.680       0.940     7.600          8.00
111                  |  0.990       0.900     1.090         61.05
285                  |  1.170       0.780     1.770         30.95
---------------------+---------------------------------------------------
D+L pooled ES        |  1.129       0.823     1.548        100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.75 p = 0.451
```




```
Heterogeneity chi-squared =   4.01 (d.f. = 2) p = 0.135
I-squared (variation in ES attributable to heterogeneity) =  50.1%
Estimate of between-study variance Tau-squared =  0.0401
```

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.3930004	.91819017	6



Test of H0: no small-study effects P = 0.190

Meta-regression: sample size (n) Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9998527	.0001219	-1.21	0.440	.9983052	1.001403
_cons	1.760571	.6931848	1.44	0.387	.0118297	262.0191

Meta-regression: statistical adjustment Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.208468	.954731	0.24	0.850	.0000528	27658.47
_cons	1.17	.7364919	0.25	0.844	.0003932	3481.815

Meta-regression: quality rating Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9572966	.0312256	-1.34	0.409	.6324842	1.448917
_cons	25.20032	58.73555	1.38	0.398	3.47e-12	1.83e+14

Meta-regression: crime outcome categories Number of obs = 3

insufficient observations

Meta-regression: population categories Number of obs = 3

insufficient observations

Meta-regression: length of follow-up (fu) Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.014942	.0301707	0.50	0.705	.6956699	1.480741
_cons	.8744676	.7507517	-0.16	0.901	.000016	47783.96

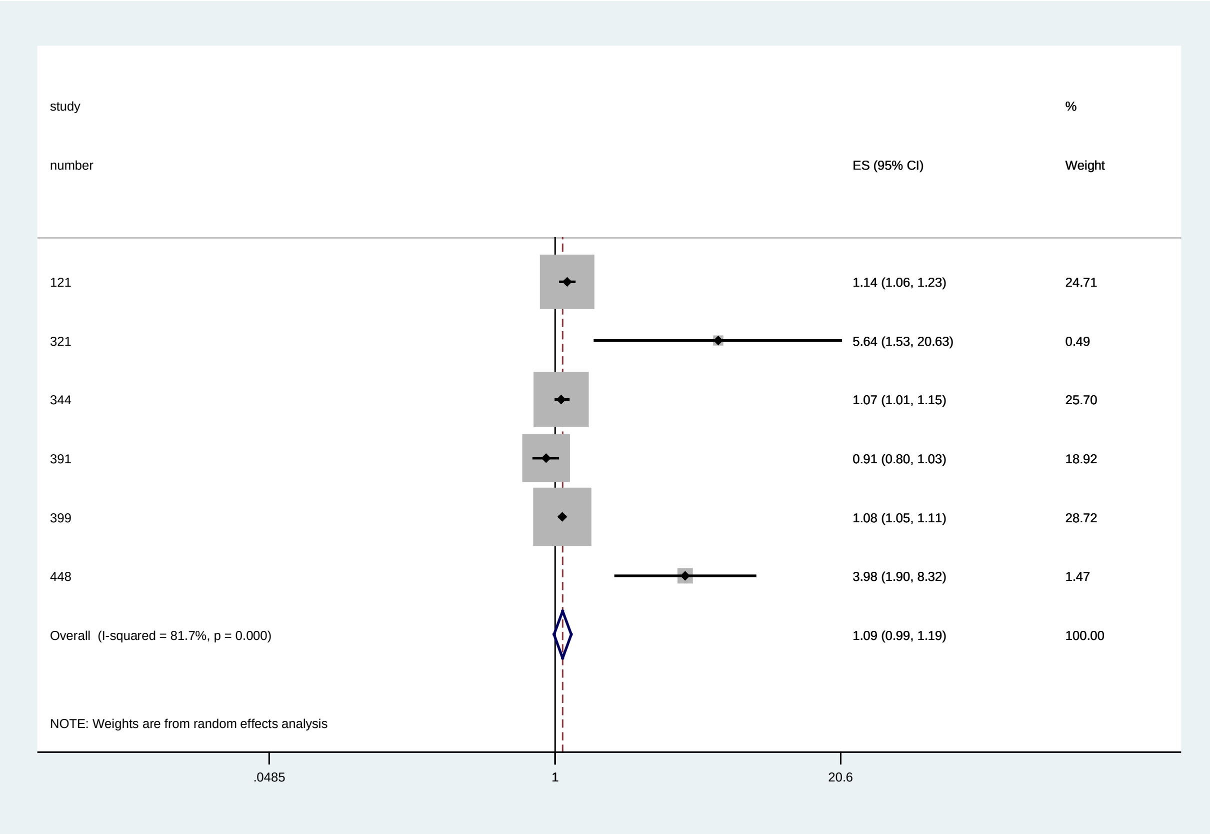
9.6.12 Meta-analysis: exposure 16

Exposure
Psychopathy traits

	exp_cat	out_cat	pop_cat
1.	psychopathy traits	time to offense/recidivism	non-incarcerated offenders
2.	psychopathy traits	criminality	sex offender
3.	psychopathy traits	violent crime	non-incarcerated juvenile offender
4.	psychopathy traits	violent crime	non-incarcerated offenders
5.	psychopathy traits	non-sexual recidivism	non-incarcerated offenders
6.	psychopathy traits	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
121	1.140	1.060	1.230	24.71
321	5.640	1.530	20.630	0.49
344	1.070	1.010	1.150	25.70
391	0.910	0.800	1.030	18.92
399	1.080	1.050	1.110	28.72
448	3.980	1.900	8.320	1.47
D+L pooled ES	1.086	0.991	1.191	100.00

Test of ES=1 : z= 1.77 p = 0.077



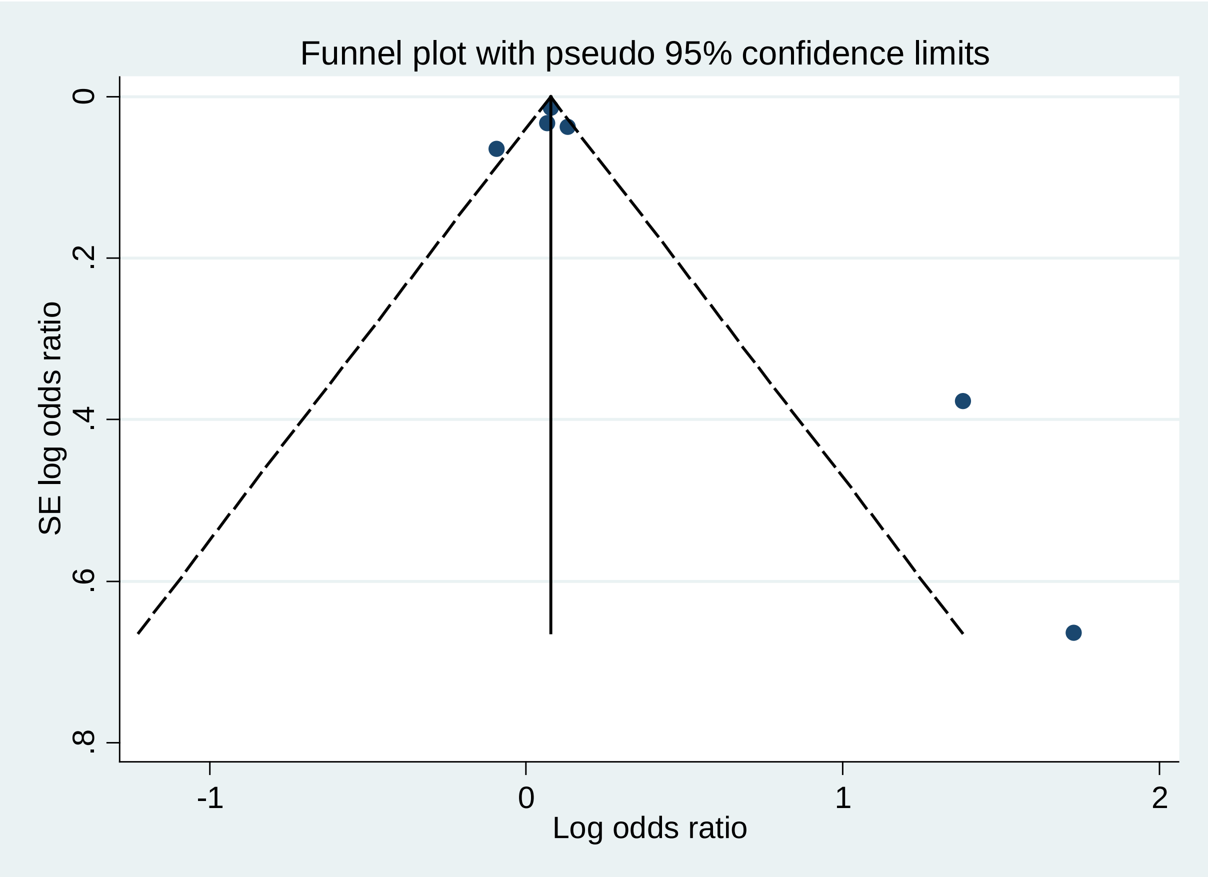
Heterogeneity chi-squared = 27.36 (d.f. = 5) p = 0.000

```
I-squared (variation in ES attributable to heterogeneity) =  81.7%
Estimate of between-study variance Tau-squared =  0.0074


Meta-analysis of Bonferroni-corrected p-values

---------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+----------------------------------------
 Edgington, Normal     |  .78471694    .10874682     16

---------------------------------------------------------------
```




```
Test of H0: no small-study effects          P = 0.311


Meta-regression: sample size (n)                    Number of obs   =       6

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           n |    1.00553   .0057863     0.96   0.392      .989592    1.021724
       _cons |    .753617   .5362234    -0.40   0.711     .1045172    5.433923
------------------------------------------------------------------------------

Meta-regression: statistical adjustment             Number of obs   =       6
```

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.429459	.9141143	0.56	0.606	.2421512	8.438333
_cons	1.298083	.4790764	0.71	0.519	.4658934	3.61675

Meta-regression: quality rating Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	1.004603	.00664	0.69	0.525	.9863353	1.023209
_cons	.7945065	.3525036	-0.52	0.631	.2318009	2.723202

Meta-regression: crime outcome categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	1.28272	1.112746	0.29	0.801	.030699	53.59684
outcat2	4.947368	6.228476	1.27	0.332	.0219726	1113.952
outcat3	.9473685	.9960555	-0.05	0.964	.0102771	87.33112
_cons	1.14	.8480459	0.18	0.876	.0464344	27.98788

Meta-regression: population categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	5.271028	5.803429	1.51	0.228	.1585532	175.2328
popcat3	1.235295	.802573	0.33	0.766	.1562451	9.766416
_cons	1.07	.6157895	0.12	0.914	.1713833	6.680347

Meta-regression: length of follow-up (fu) Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.005217	.0035677	1.47	0.217	.9953598	1.015171
_cons	1.012218	.3233743	0.04	0.971	.4169246	2.457483

9.6.13 Meta-analysis: exposure 17

Exposure
SES

```
Insufficient data for relative risk meta-analysis


Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                 |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal      |   -2.36        .99086253    3
--------------------------------------------------------------
```

9.6.14 Meta-analysis: exposure 19

Exposure
HCR20

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.665653	.04789127	2

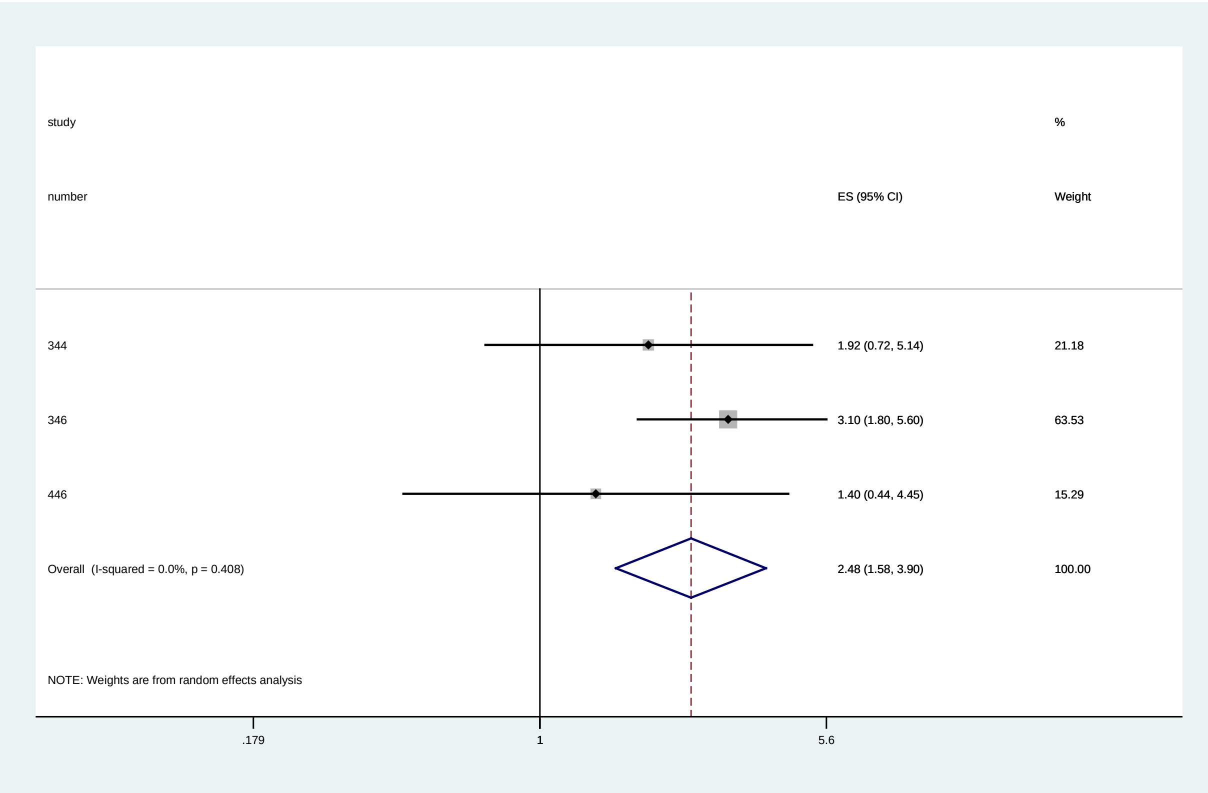
9.6.15 Meta-analysis: exposure 27

Exposure
Non-schizophrenia

	exp_cat	out_cat	pop_cat
1.	non-schizophrenia	violent crime	non-incarcerated juvenile offender
2.	non-schizophrenia	sexual crime	sex offender
3.	non-schizophrenia	criminality	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
344	1.920	0.720	5.140	21.18
346	3.100	1.800	5.600	63.53
446	1.400	0.440	4.450	15.29
D+L pooled ES	2.480	1.578	3.899	100.00

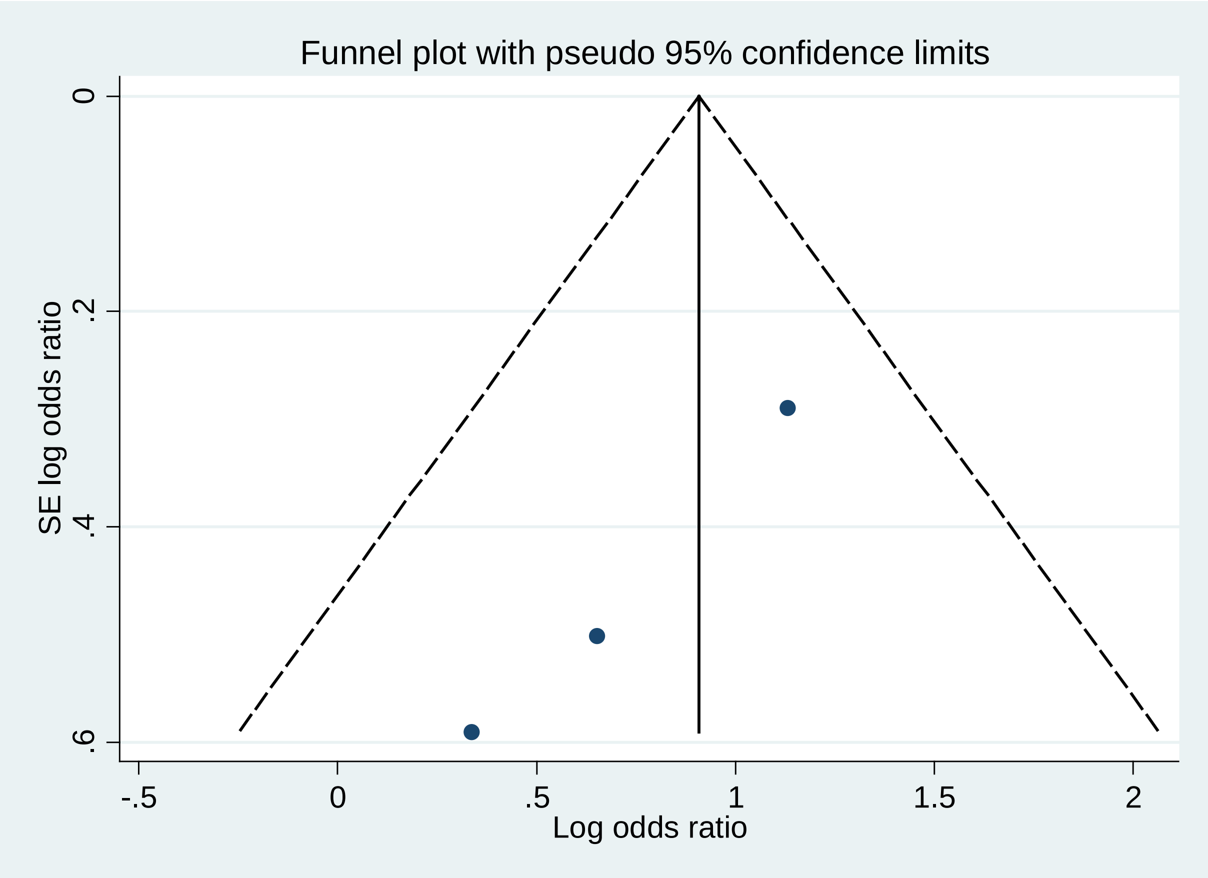
Test of ES=1 : z= 3.94 p = 0.000



Heterogeneity chi-squared = 1.79 (d.f. = 2) p = 0.408
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.06646193	.52649497	5



Test of H0: no small-study effects P = 0.059

Meta-regression: sample size (n) Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.000546	.0004279	1.28	0.423	.9951248	1.005998
_cons	1.596822	.6624079	1.13	0.462	.008206	310.7274

Meta-regression: statistical adjustment Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.28151	.8892683	0.36	0.781	.0001899	8648.645
_cons	1.92	1.13791	1.10	0.470	.00103	3578.876

Meta-regression: quality rating   Number of obs =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	1.154939	.1529124	1.09	0.473	.2147593	6.211065
_cons	.0001997	.0017312	-0.98	0.506	2.95e-52	1.35e+44

Meta-regression: crime outcome categories   Number of obs =   3

Insufficient observations

Meta-regression: population categories   Number of obs =   3

Insufficient observations

Meta-regression: length of follow-up (fu)   Number of obs =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	.9973042	.0101908	-0.26	0.836	.8758715	1.135573
_cons	2.73041	2.031095	1.35	0.406	.0002145	34763.8

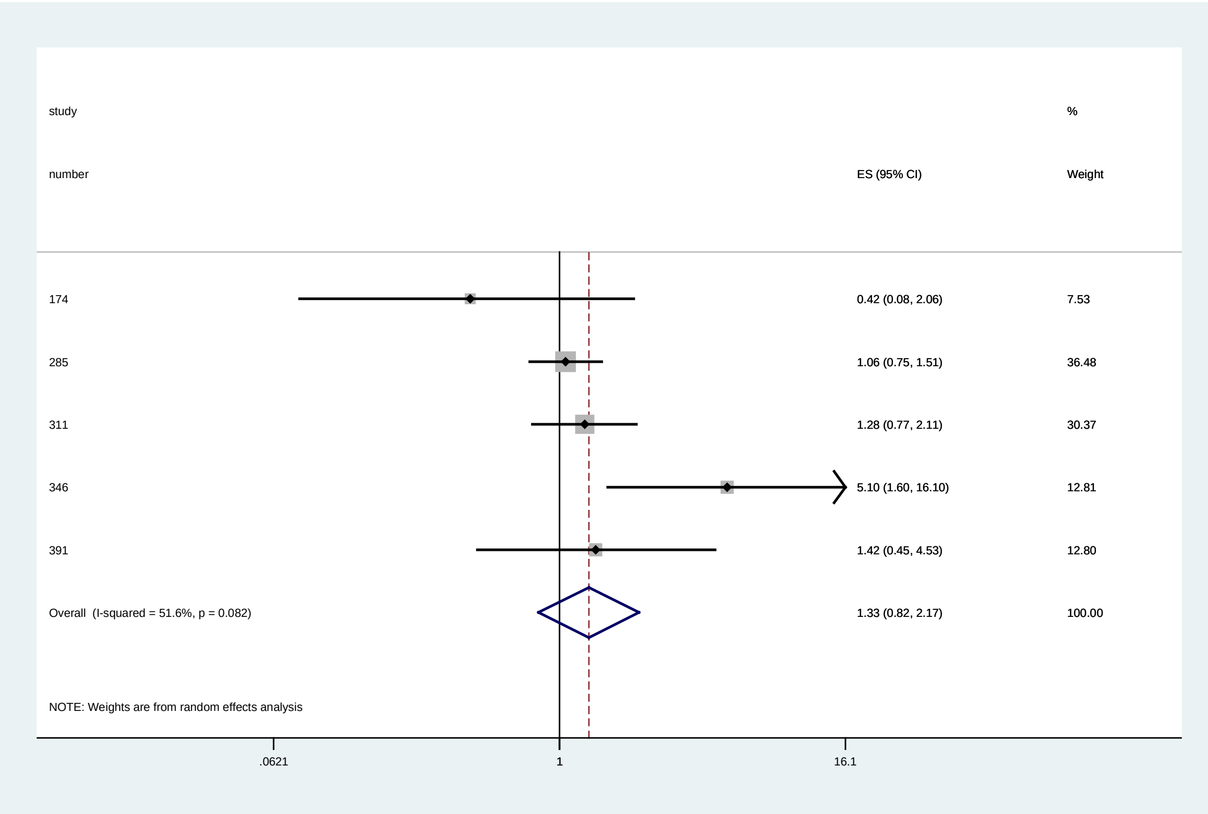
9.6.16 Meta-analysis: exposure 28

Exposure
Schizophrenia-spectrum

	exp_cat	out_cat	pop_cat
1.	schizophrenia-spectrum	violent crime	non-incarcerated offenders
2.	schizophrenia-spectrum	criminality	non-incarcerated juvenile offender
3.	schizophrenia-spectrum	violent crime	non-incarcerated offenders
4.	schizophrenia-spectrum	sexual crime	sex offender
5.	schizophrenia-spectrum	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
174	0.420	0.080	2.060	7.53
285	1.060	0.750	1.510	36.48
311	1.280	0.770	2.110	30.37
346	5.100	1.600	16.100	12.81
391	1.420	0.450	4.530	12.80
D+L pooled ES	1.329	0.815	2.167	100.00

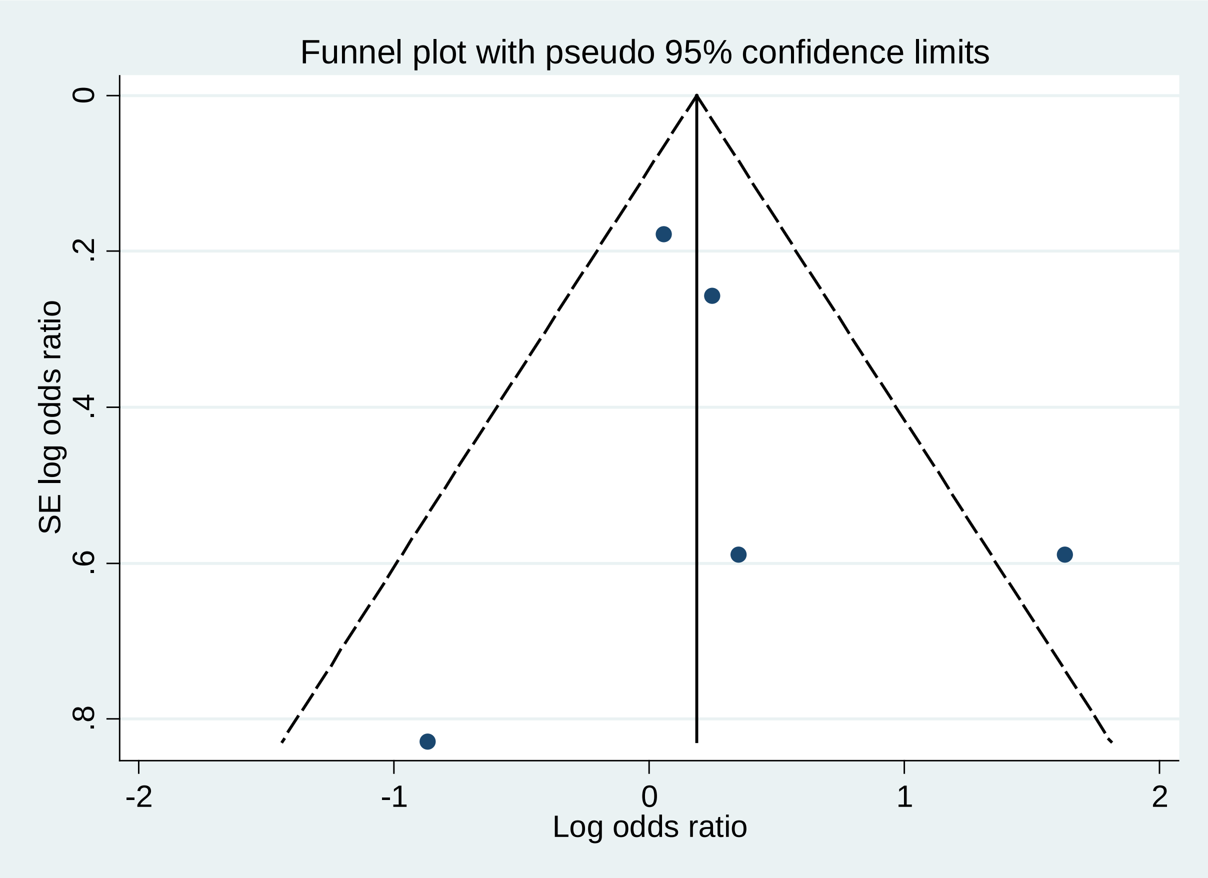
Test of ES=1 : z= 1.14 p = 0.254



Heterogeneity chi-squared = 8.27 (d.f. = 4) p = 0.082
I-squared (variation in ES attributable to heterogeneity) = 51.6%
Estimate of between-study variance Tau-squared = 0.1386

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.6595961	.99608828	7



Test of H0: no small-study effects   P = 0.627

Meta-regression: sample size (n)   Number of obs = 5

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.00002	.00022	0.09	0.933	.9993202	1.000721
_cons	1.316836	.7623242	0.48	0.667	.2086483	8.31091

Meta-regression: statistical adjustment   Number of obs = 5

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	2.111434	1.300971	1.21	0.312	.2971516	15.00297
_cons	.9789955	.3977414	-0.05	0.962	.2686955	3.566984

Meta-regression: quality rating Number of obs = 5

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9891708	.0554102	-0.19	0.858	.8276551	1.182206
_cons	2.78847	10.27413	0.28	0.799	.0000225	344975.5

Meta-regression: crime outcome categories Number of obs = 5

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	.2344765	.1479786	-2.30	0.148	.0155171	3.54314
outcat2	.2078431	.1279157	-2.55	0.125	.0147132	2.936056
_cons	5.1	3.003816	2.77	0.110	.4045615	64.29182

Meta-regression: population categories Number of obs = 5

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	4.811321	2.961095	2.55	0.125	.340593	67.9662
popcat3	1.128142	.3255173	0.42	0.717	.3259771	3.904273
_cons	1.06	.1892294	0.33	0.775	.4917261	2.285012

Meta-regression: length of follow-up (fu) Number of obs = 5

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.013724	.0150205	0.92	0.425	.9670319	1.062671
_cons	.7423453	.545542	-0.41	0.712	.071598	7.696815

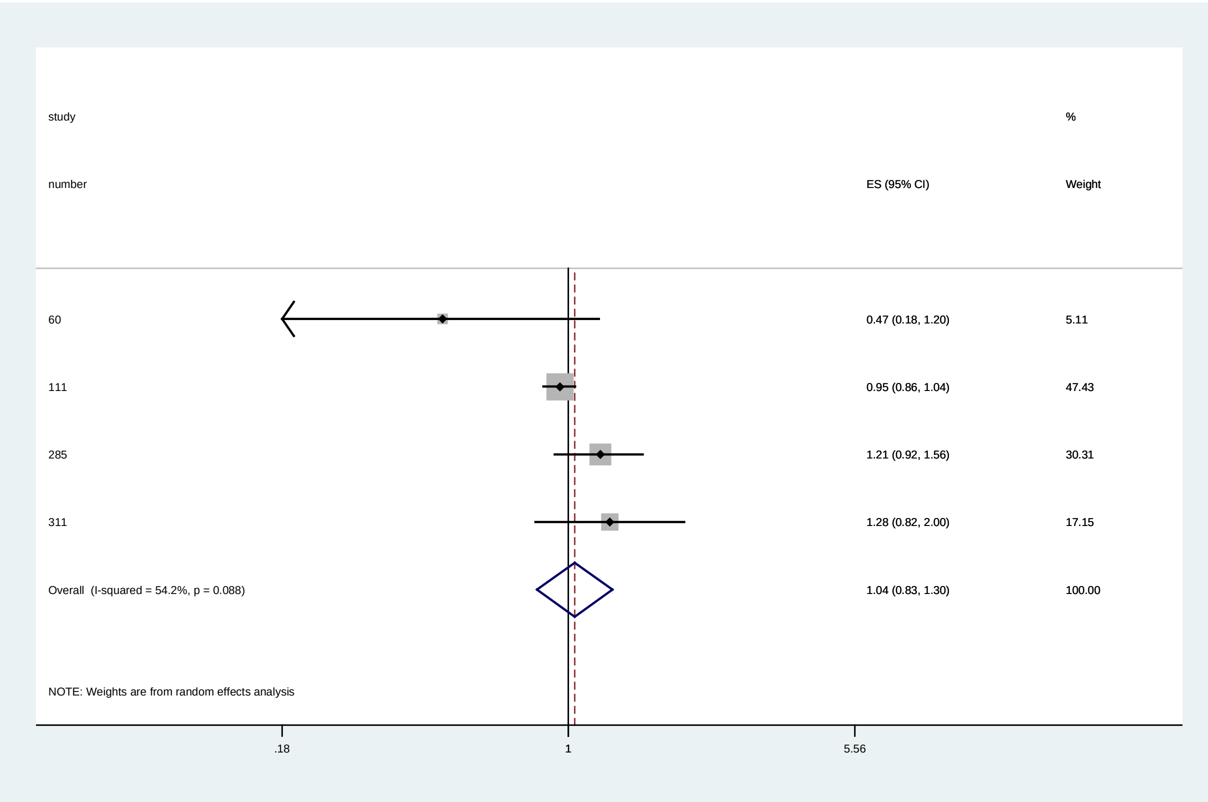
9.6.17 Meta-analysis: exposure 30

Exposure
Depression

	exp_cat	out_cat	pop_cat
1.	depression	drug related crime	incarcerated juvenile offender
2.	depression	criminality	incarcerated offenders
3.	depression	criminality	non-incarcerated juvenile offender
4.	depression	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
60	0.470	0.180	1.200	5.11
111	0.950	0.860	1.040	47.43
285	1.210	0.920	1.560	30.31
311	1.280	0.820	2.000	17.15
D+L pooled ES	1.038	0.828	1.301	100.00

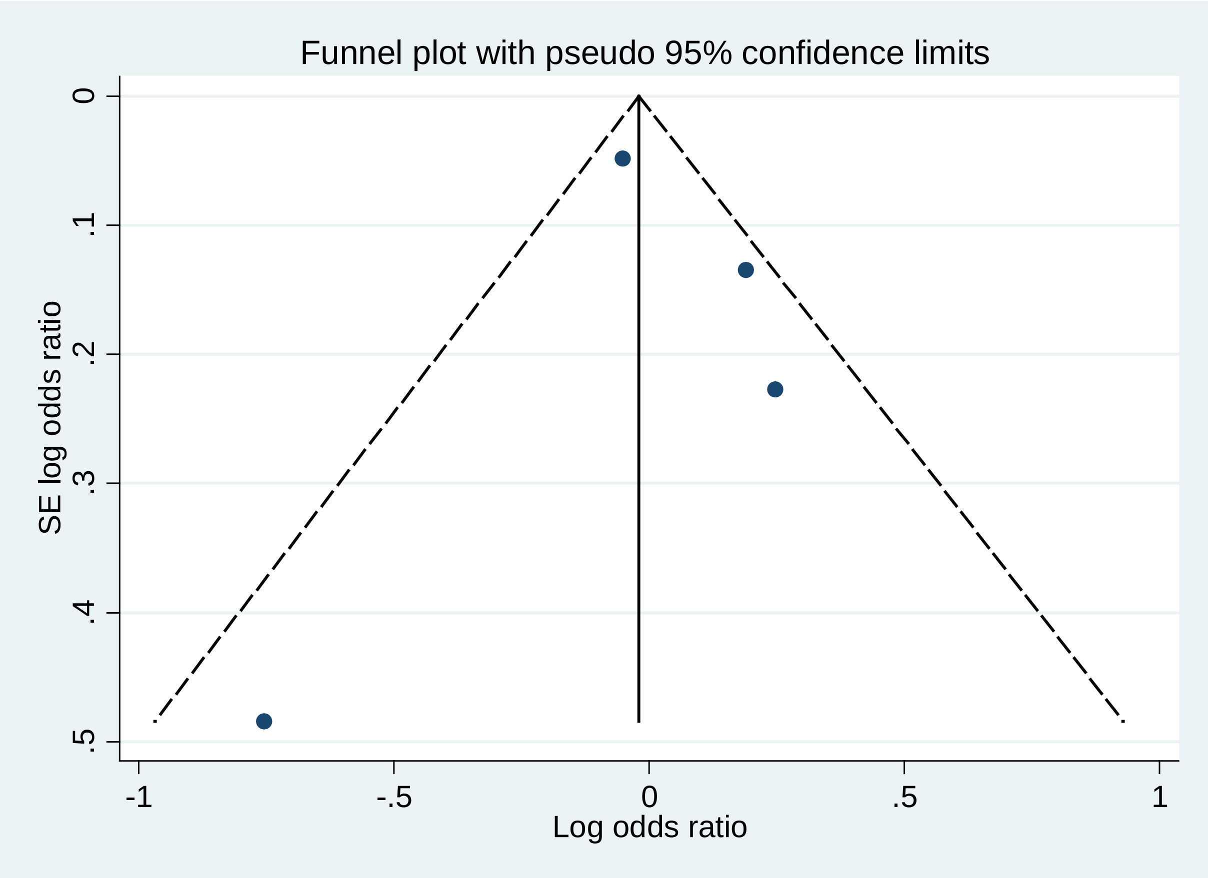
Test of ES=1 : z= 0.32 p = 0.746



Heterogeneity chi-squared = 6.54 (d.f. = 3) p = 0.088
I-squared (variation in ES attributable to heterogeneity) = 54.2%
Estimate of between-study variance Tau-squared = 0.0256

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-3.6987296	.99989166	8



Test of H0: no small-study effects   P = 0.832

Meta-regression: sample size (n)   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.000069	.000111	0.62	0.600	.9995911	1.000546
_cons	.8287365	.3228669	-0.48	0.677	.1550324	4.430068

Meta-regression: statistical adjustment   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.7955085	.1780442	-1.02	0.414	.3036868	2.083837
_cons	1.21	.2424129	0.95	0.442	.5110037	2.865146

Meta-regression: quality rating   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	1.01302	.0259527	0.50	0.664	.907289	1.131072
_cons	.4235988	.7537888	-0.48	0.677	.0002003	895.6492

Meta-regression: crime outcome categories   Number of obs =   4

Insufficient observations

Meta-regression: population categories   Number of obs =   4

Insufficient observations

Meta-regression: length of follow-up (fu)   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	.9987059	.0108794	-0.12	0.916	.9529757	1.04663
_cons	1.079652	.4175149	0.20	0.861	.204487	5.700355

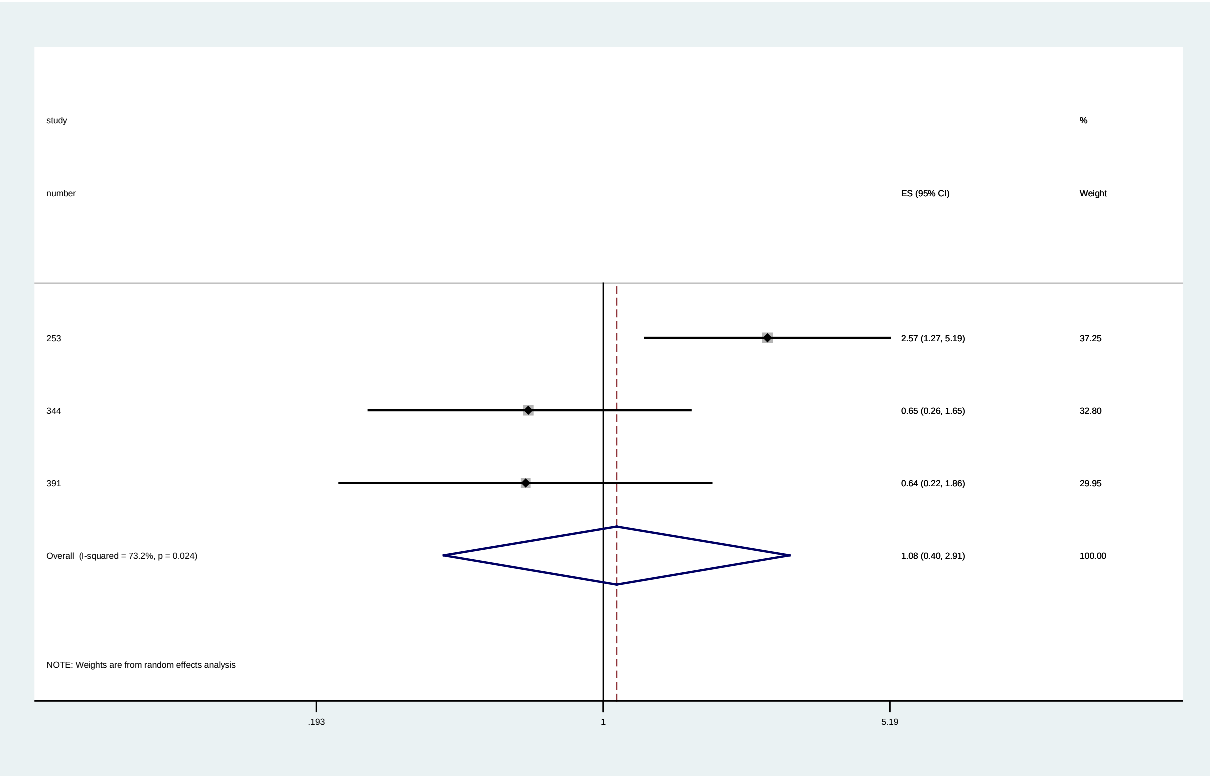
9.6.18 Meta-analysis: exposure 34

Exposure
Childhood adversity

	exp_cat	out_cat	pop_cat
1.	CA	sexual crime	sex offender
2.	CA	violent crime	non-incarcerated juvenile offender
3.	CA	violent crime	non-incarcerated offenders

Study	ES	[95% Conf.	Interval]	% Weight
253	2.570	1.270	5.190	37.25
344	0.650	0.260	1.650	32.80
391	0.640	0.220	1.860	29.95
D+L pooled ES	1.080	0.400	2.912	100.00

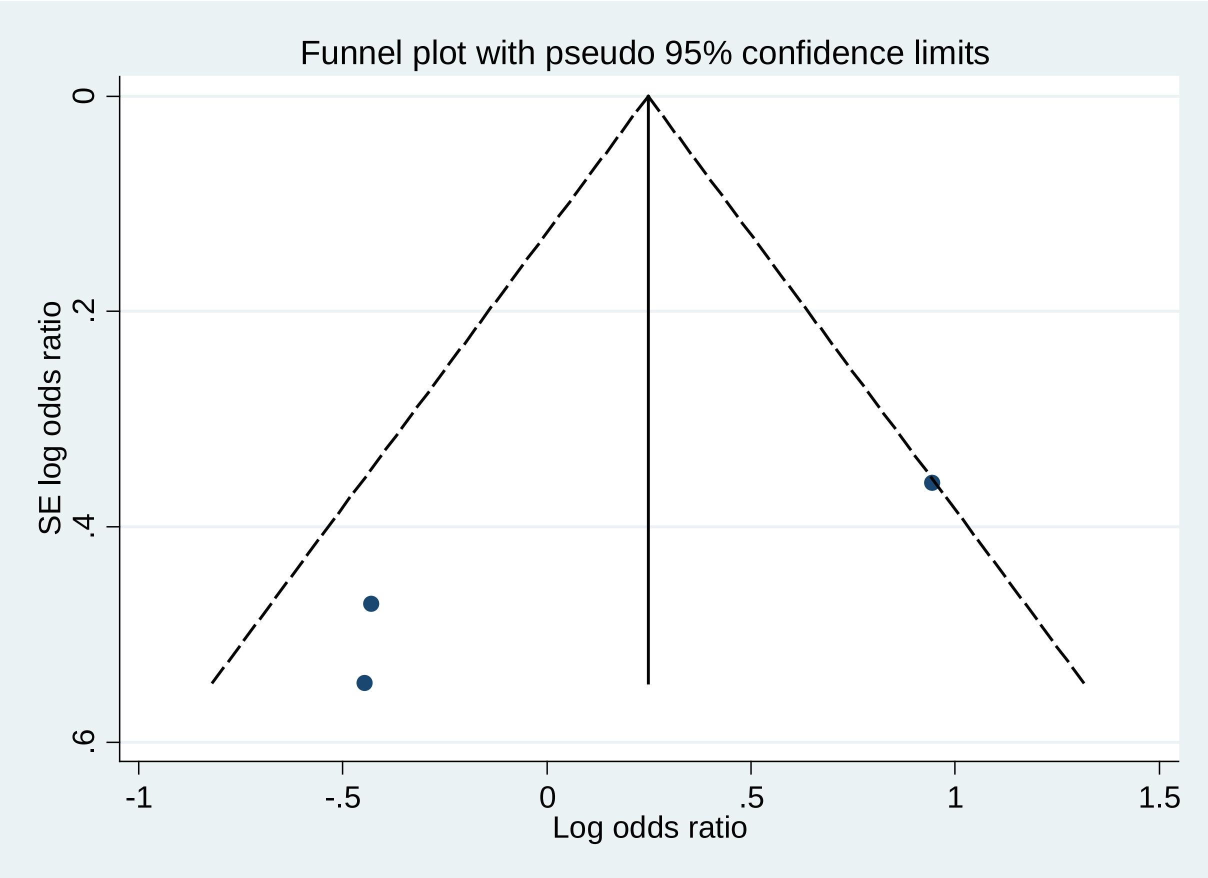
Test of ES=1 : z= 0.15 p = 0.880



Heterogeneity chi-squared = 7.45 (d.f. = 2) p = 0.024
I-squared (variation in ES attributable to heterogeneity) = 73.2%
Estimate of between-study variance Tau-squared = 0.5591

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.7424431	.95928453	9



Test of H0: no small-study effects   P = 0.214

Meta-regression: sample size (n)   Number of obs   =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
n	1.005493	.0020176	2.73	0.224	.980181	1.031459
_cons	.3757227	.1937708	-1.90	0.309	.0005357	263.4979

Meta-regression: statistical adjustment Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	3.980192	2.013788	2.73	0.224	.006426	2465.294
_cons	.6456976	.230132	-1.23	0.435	.0069708	59.81004

Meta-regression: quality rating Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	1.131302	.1516855	0.92	0.526	.2059166	6.215356
_cons	.0005753	.0047231	-0.91	0.530	2.86e-49	1.16e+42

Meta-regression: crime outcome categories Number of obs = 3

Insufficient observations

Meta-regression: population categories Number of obs = 3

Insufficient observations

Meta-regression: length of follow-up (fu) Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.020162	.0094091	2.16	0.276	.9073474	1.147003
_cons	.3270561	.2197851	-1.66	0.345	.000064	1670.83

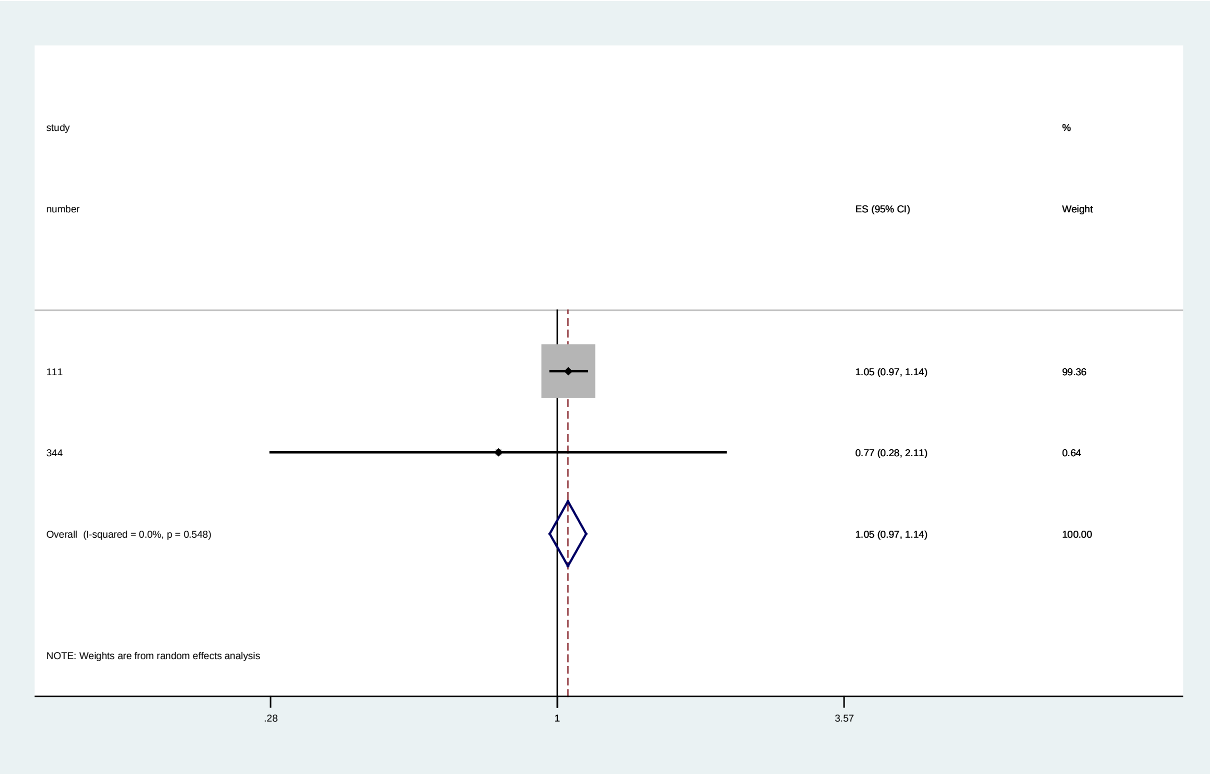
9.6.19 Meta-analysis: exposure 36

Exposure
IQ-related

	exp_cat	out_cat	pop_cat
1.	IQ-related	criminality	incarcerated offenders
2.	IQ-related	violent crime	non-incarcerated juvenile offender

Study	ES	[95% Conf.	Interval]	% Weight
111	1.050	0.970	1.140	99.36
344	0.770	0.280	2.110	0.64
D+L pooled ES	1.048	0.967	1.136	100.00

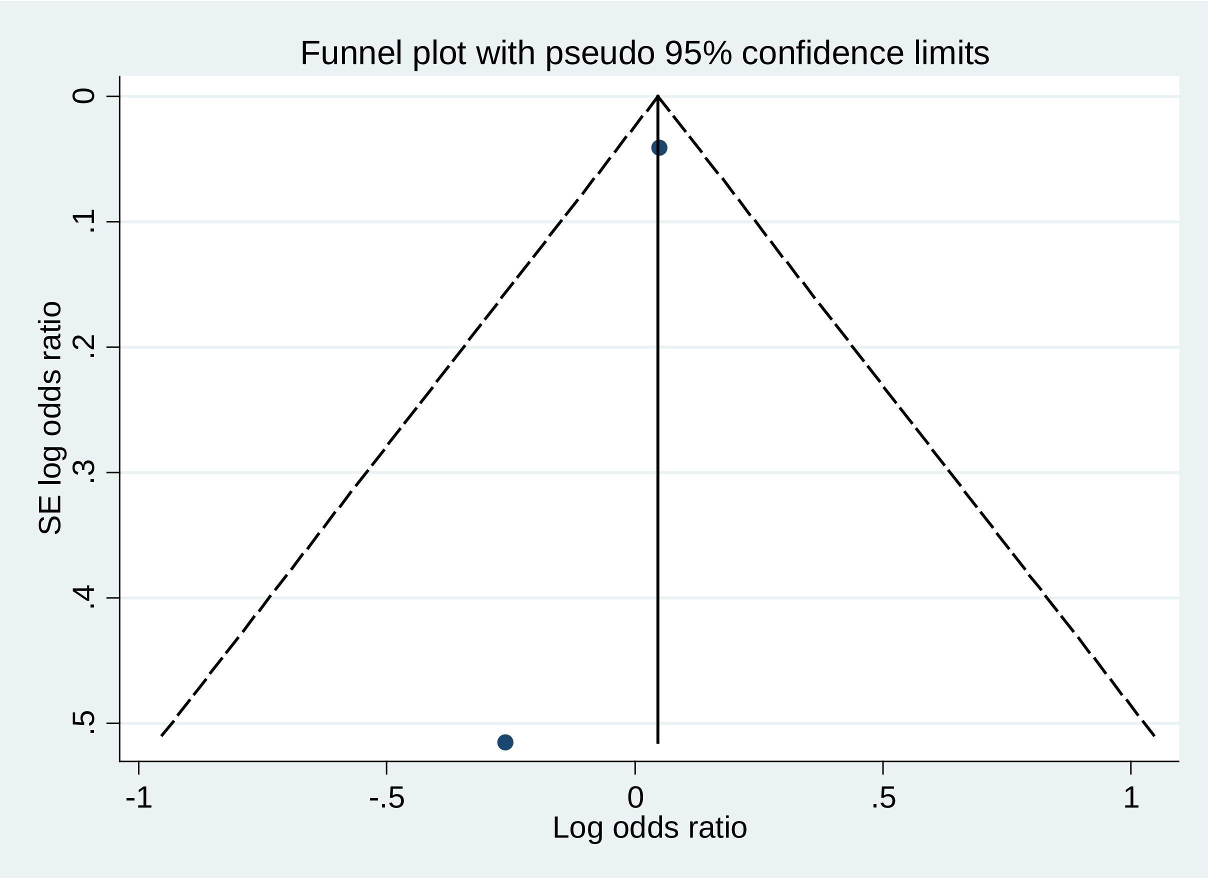
Test of ES=1 : z= 1.14 p = 0.254



Heterogeneity chi-squared = 0.36 (d.f. = 1) p = 0.548
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.7337829	.9585217	4



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient number of studies

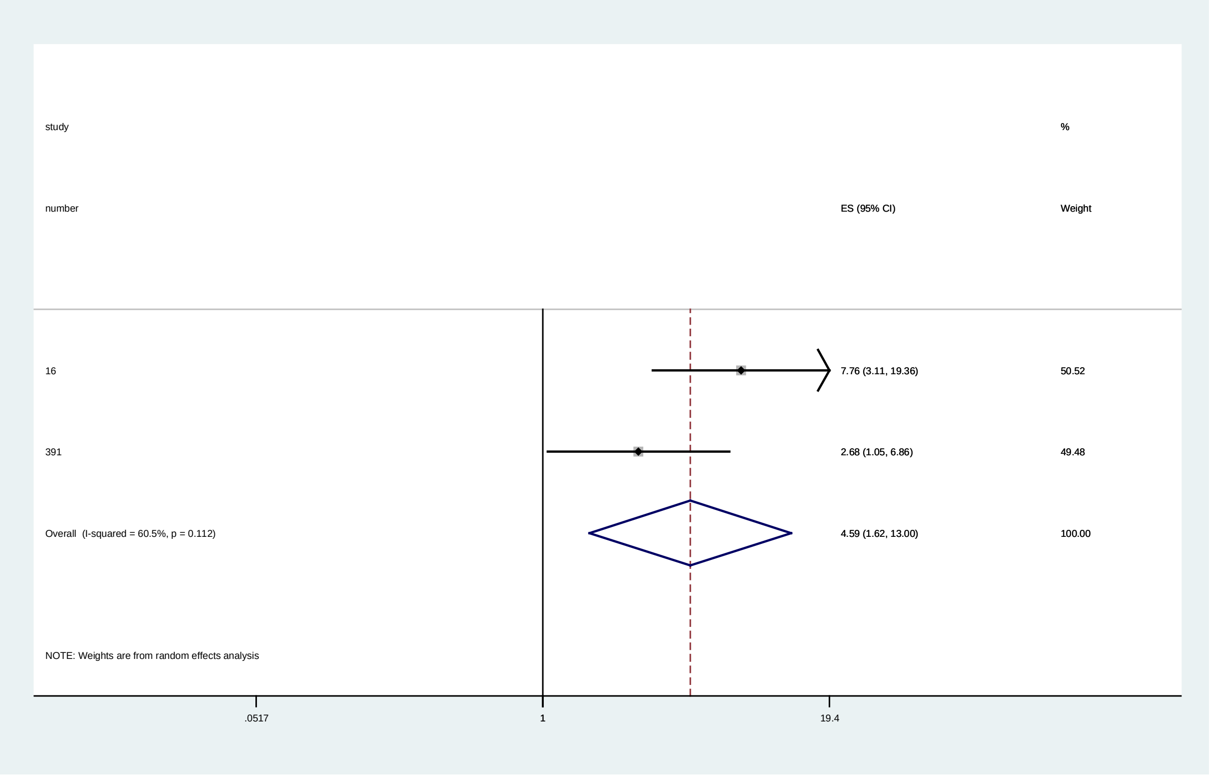
9.6.20 Meta-analysis: exposure 38

Exposure
Parental (mental) factors

```
     +------------------------------------------------------------------+
     |                  exp_cat         out_cat                 pop_cat |
     |------------------------------------------------------------------|
  1. | parental (mental) factors   violent crime         general population |
  2. | parental (mental) factors   violent crime   non-incarcerated offenders |
     +------------------------------------------------------------------+
```

Study	ES	[95% Conf.	Interval]	% Weight
16	7.760	3.110	19.360	50.52
391	2.680	1.050	6.860	49.48
D+L pooled ES	4.585	1.618	12.997	100.00

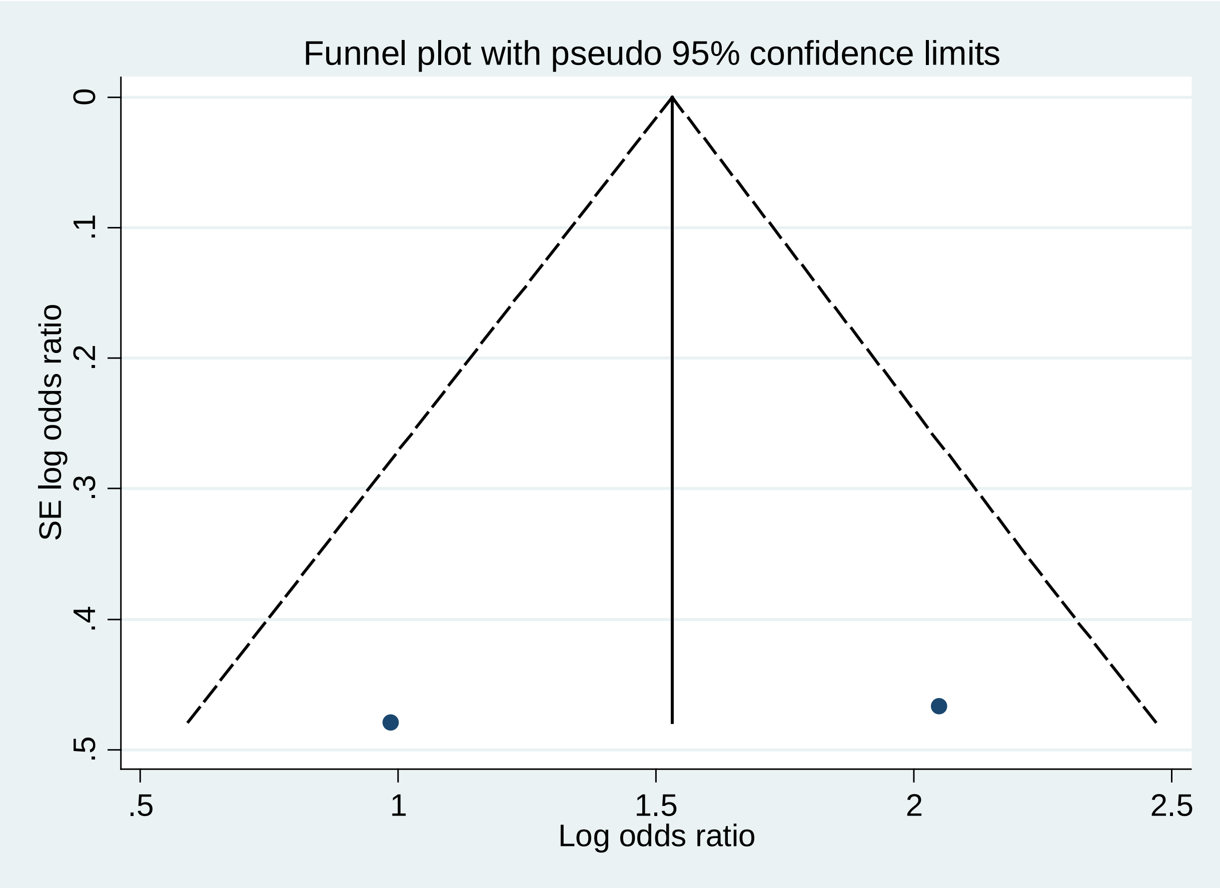
Test of ES=1 : z= 2.86 p = 0.004



Heterogeneity chi-squared = 2.53 (d.f. = 1) p = 0.112
I-squared (variation in ES attributable to heterogeneity) = 60.5%
Estimate of between-study variance Tau-squared = 0.3417

```
Meta-analysis of Bonferroni-corrected p-values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   1.4687791    .07094635    4
--------------------------------------------------------------
```




```
Test of H0: no small-study effects          P =      .


Meta-regression: Insufficient number of studies
```

9.6.21 Meta-analysis: exposure 39

Exposure
Unemployment

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.3429286	.63417391	2

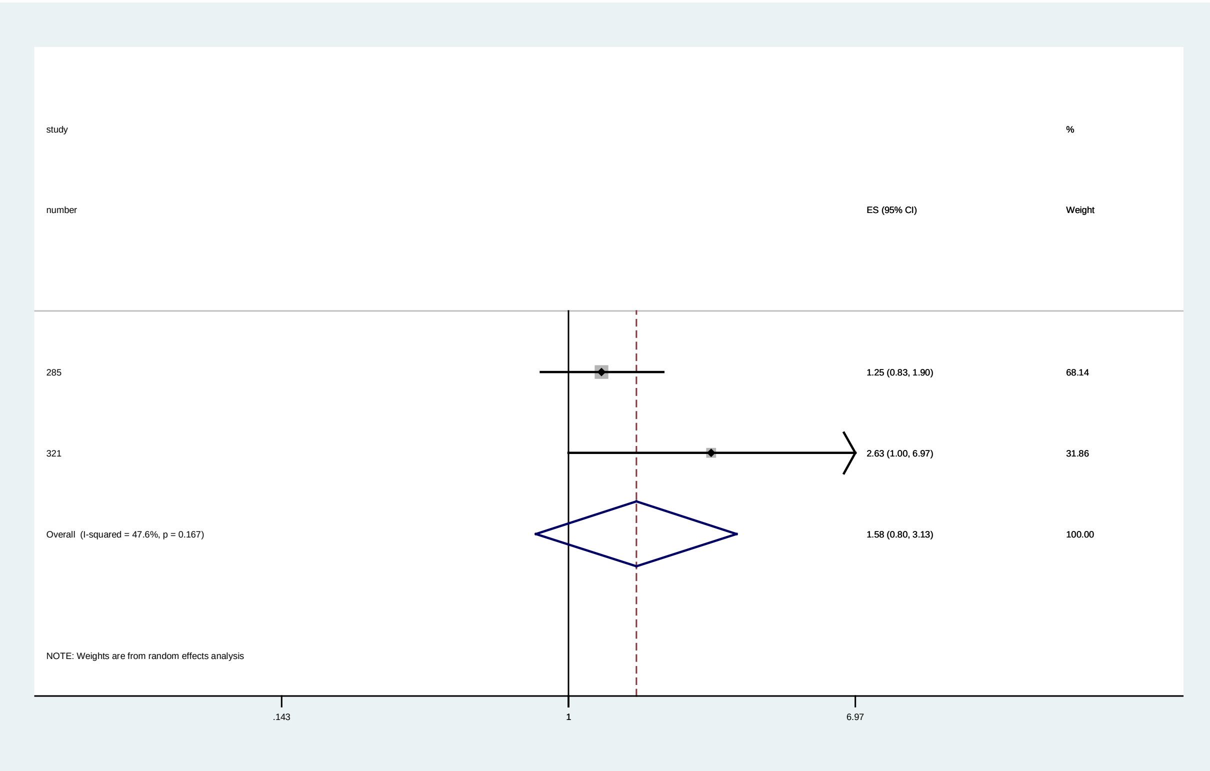
9.6.22 Meta-analysis: exposure 40

Exposure
Marital status: not married

	exp_cat	out_cat	pop_cat
1.	marital status	criminality	non-incarcerated juvenile offender
2.	marital status	sexual crime	sex offender

Study	ES	[95% Conf.	Interval]	% Weight
285	1.250	0.830	1.900	68.14
321	2.630	1.000	6.970	31.86
D+L pooled ES	1.584	0.803	3.125	100.00

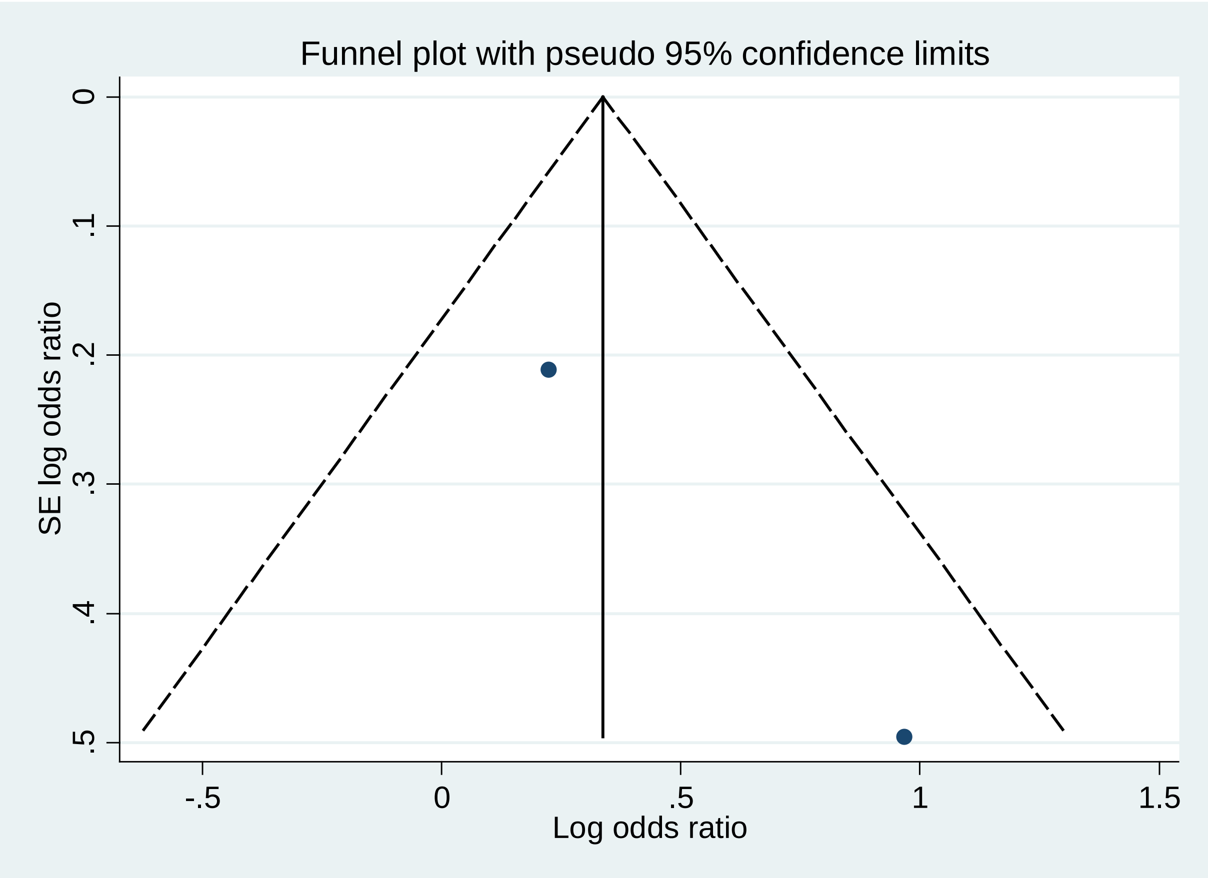
Test of ES=1 : z= 1.33 p = 0.184



Heterogeneity chi-squared = 1.91 (d.f. = 1) p = 0.167
I-squared (variation in ES attributable to heterogeneity) = 47.6%
Estimate of between-study variance Tau-squared = 0.1317

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-3.7955238	.99992633	5



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient number of studies

9.6.23 Meta-analysis: exposure 41

Exposure
Educational adversity

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.05143931	.52051227	2

9.6.24 Meta-analysis: exposure 48

Exposure
Poor social skills

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.70790255	.76049711	2

9.6.25 Meta-analysis: exposure 53

Exposure
Sexual deviance

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.0305703	.84862881	4

9.6.26 Meta-analysis: exposure 54

Exposure
Victim characteristics

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.10565511	.457928	4

9.6.27 Meta-analysis: exposure 56

Exposure
J-SOAP

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	1.3888607	.08243756	2

9.6.28 Meta-analysis: exposure 57

Exposure
Sexual offence severity

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-1.7636327	.96110308	2

9.6.29 Meta-analysis: exposure 68

Exposure
Neurology/THI/Epilepsy

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-.05143931	.52051227	2

9.6.30 Meta-analysis: exposure 72

Exposure
Observed aggression

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

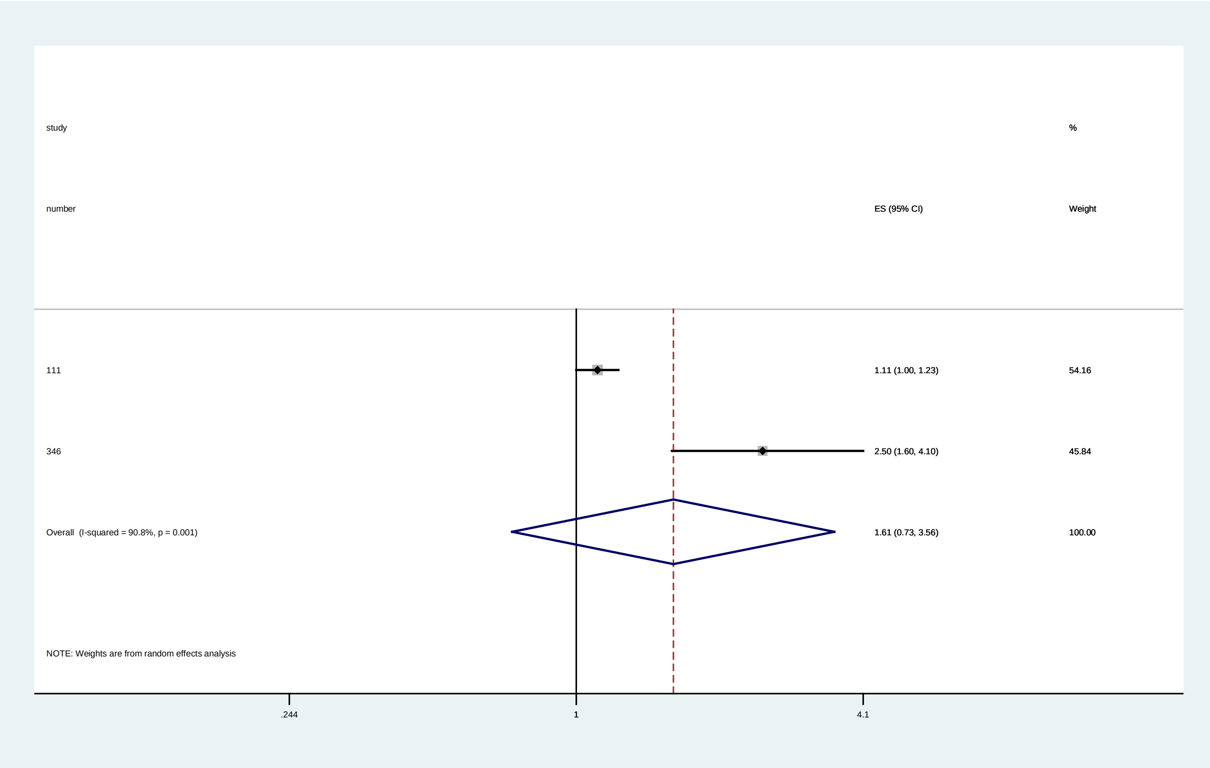
Method	Z	p_value	studies
Edgington, Normal	-1.1218663	.86904036	2

9.6.31 Meta-analysis: exposure 118

Exposure
(Involuntary) admission

```
    +---------------------------------------------------------------------+
    |                 exp_cat          out_cat                    pop_cat |
    |---------------------------------------------------------------------|
 1. | (involuntary) admission    criminality   incarcerated offenders |
 2. | (involuntary) admission   sexual crime             sex offender |
    +---------------------------------------------------------------------+
```

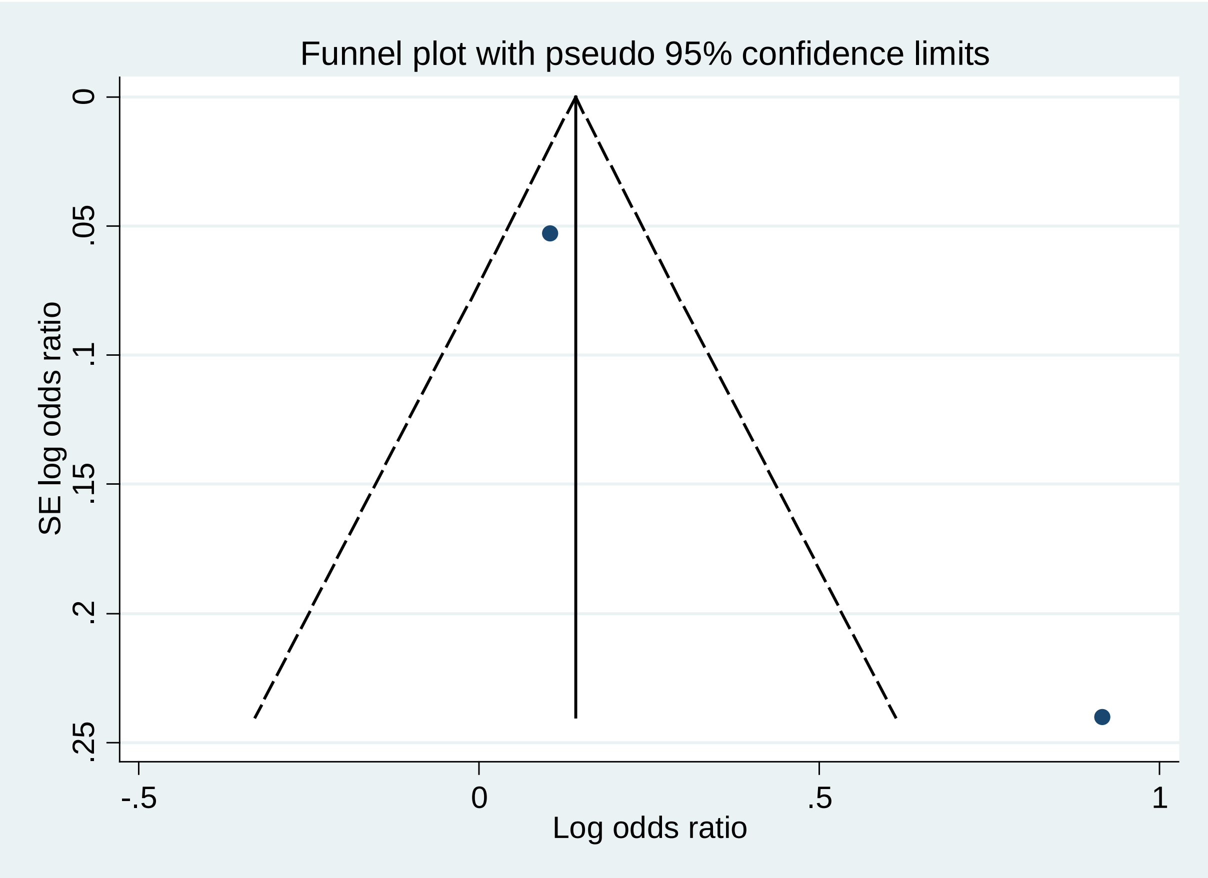
```
           Study       |      ES     [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
111                   |   1.110        1.000      1.230          54.16
346                   |   2.500        1.600      4.100          45.84
---------------------+---------------------------------------------------
D+L pooled ES         |   1.611        0.729      3.559         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   1.18 p = 0.239
```




```
Heterogeneity chi-squared =  10.91 (d.f. = 1) p = 0.001
I-squared (variation in ES attributable to heterogeneity) =  90.8%
Estimate of between-study variance Tau-squared =  0.2994
```

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	.02174655	.49132507	2



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient number of studies

9.6.32 Meta-analysis: exposure 119

Exposure
Psycho-education

Insufficient data for relative risk meta-analysis

Meta-analysis of Bonferroni-corrected p-values

Method	Z	p_value	studies
Edgington, Normal	-2.1327136	.98352588	3

9.7 Bijlage 7: Meta-analysen op niveau specifieke exposures over geaggregeerde uitkomst en populatie hoofdgroepen in de categorie: non-delictrecidive

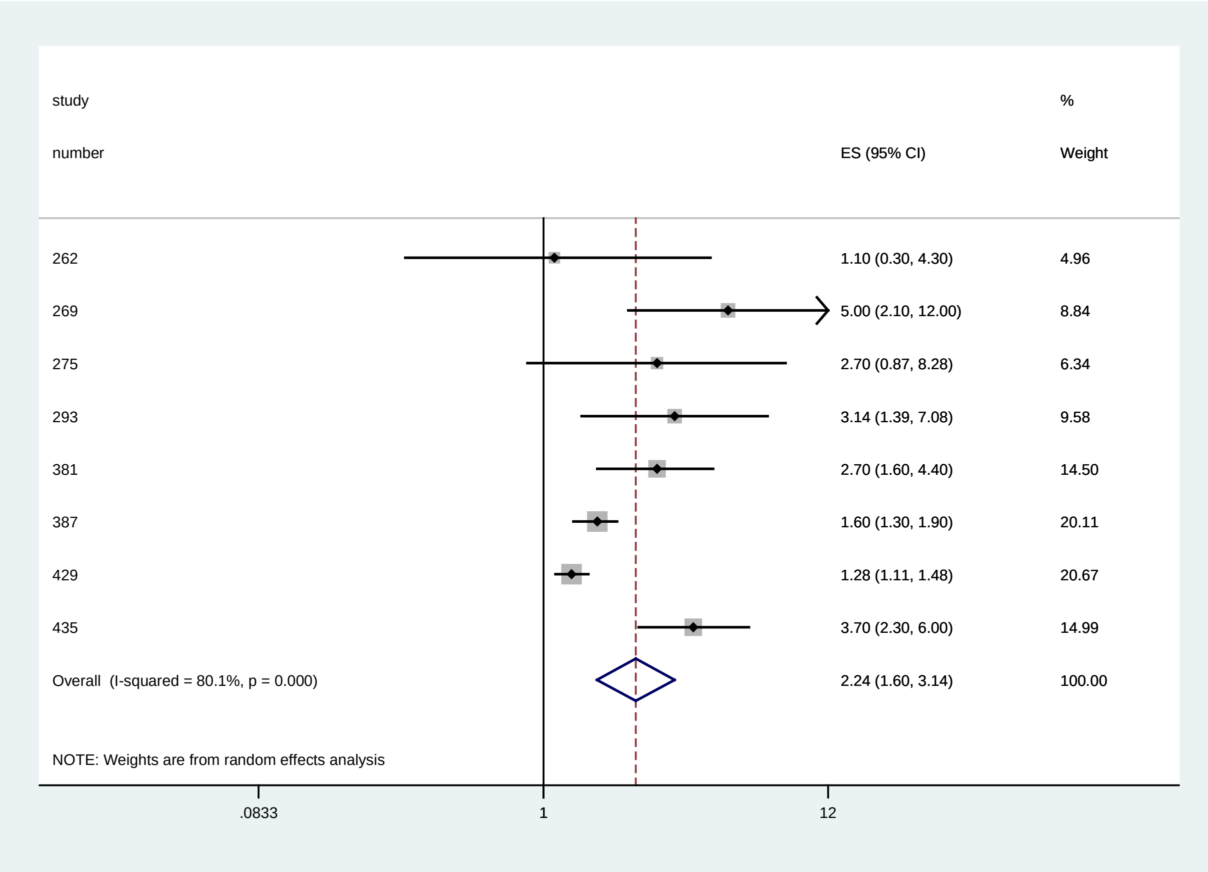
9.7.1 Meta-analysis: exposure 1

Exposure
Conduct disorder

	exp_cat	out_cat	pop_cat
1.	conduct disorder	frequent violent crime	non-incarcerated juvenile offender
2.	conduct disorder	violent crime	general population
3.	conduct disorder	arrests	psychiatric patients
4.	conduct disorder	criminality	psychiatric patients
5.	conduct disorder	delinquency	psychiatric patients
6.	conduct disorder	criminality	general population
7.	conduct disorder	violent crime	general population
8.	conduct disorder	criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
262	1.100	0.300	4.300	4.96
269	5.000	2.100	12.000	8.84
275	2.700	0.870	8.280	6.34
293	3.140	1.394	7.076	9.58
381	2.700	1.600	4.400	14.50
387	1.600	1.300	1.900	20.11
429	1.280	1.110	1.480	20.67
435	3.700	2.300	6.000	14.99
D+L pooled ES	2.238	1.596	3.138	100.00

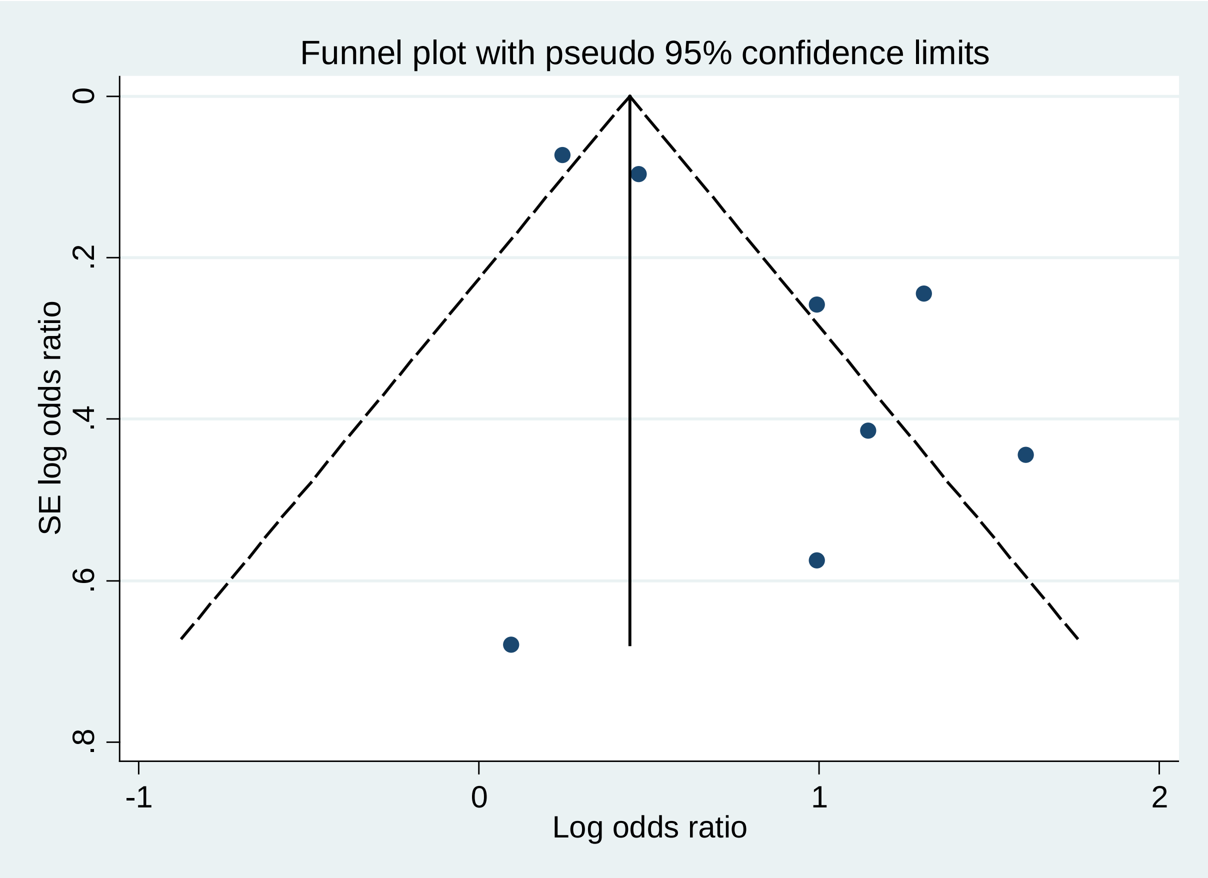
Test of ES=1 : z= 4.67 p = 0.000




```
Heterogeneity chi-squared =  35.20 (d.f. = 7) p = 0.000
  I-squared (variation in ES attributable to heterogeneity) =  80.1%
  Estimate of between-study variance Tau-squared =  0.1385
```

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	3.1774125	.00074298	9




```
Test of H0: no small-study effects          P = 0.036
```

```
Meta-regression                                       Number of obs  =       8

------------------------------------------------------------------------------
       ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           n |    .9999755    .0000334    -0.73   0.491     .9998939    1.000057
       _cons |    2.514943    .5972297     3.88   0.008       1.4066    4.496612
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       8

------------------------------------------------------------------------------
       ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    adjusted |    .4355789    .1480159    -2.45   0.050     .1896501    1.000416
       _cons |    4.087692    1.228238     4.69   0.003     1.959621    8.526763
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       8

------------------------------------------------------------------------------
       ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |    .9746614    .0217677    -1.15   0.294      .922827    1.029407
       _cons |    14.75521    24.17647     1.64   0.152     .2677562    813.1137
------------------------------------------------------------------------------
```

Meta-regression Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	.9757743	.749017	-0.03	0.977	.0848041	11.22747
outcat2	.4074074	.4599731	-0.80	0.485	.0112094	14.80728
outcat3	.7826015	.6381109	-0.30	0.783	.0584252	10.48289
outcat4	1	1.069441	-0.00	1.000	.0332587	30.06731
_cons	2.7	1.790914	1.50	0.231	.3270412	22.29077

Meta-regression Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	.7735449	.334128	-0.59	0.578	.2548402	2.348027
popcat2	.3879784	.3448885	-1.07	0.336	.0394827	3.812483
_cons	2.835209	.9919476	2.98	0.031	1.153445	6.969049

Meta-regression Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	.9995736	.0013898	-0.31	0.769	.9961788	1.00298
_cons	2.514629	.9153681	2.53	0.044	1.031906	6.127845

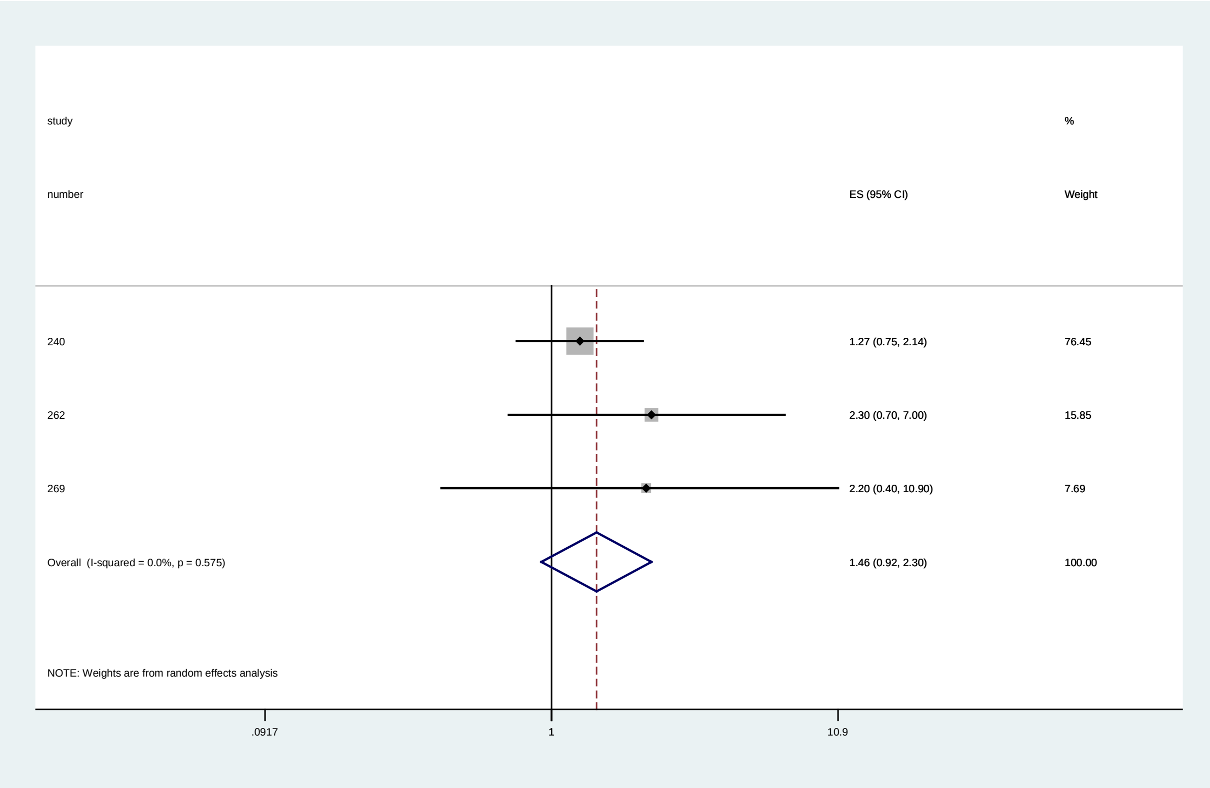
9.7.2 Meta-analysis: exposure 2

Exposure
ADHD

	exp_cat	out_cat	pop_cat
1.	ADHD	violent crime	general population
2.	ADHD	frequent violent crime	non-incarcerated juvenile offender
3.	ADHD	violent crime	general population

Study	ES	[95% Conf.	Interval]	% Weight
240	1.270	0.750	2.140	76.45
262	2.300	0.700	7.000	15.85
269	2.200	0.400	10.900	7.69
D+L pooled ES	1.456	0.920	2.302	100.00

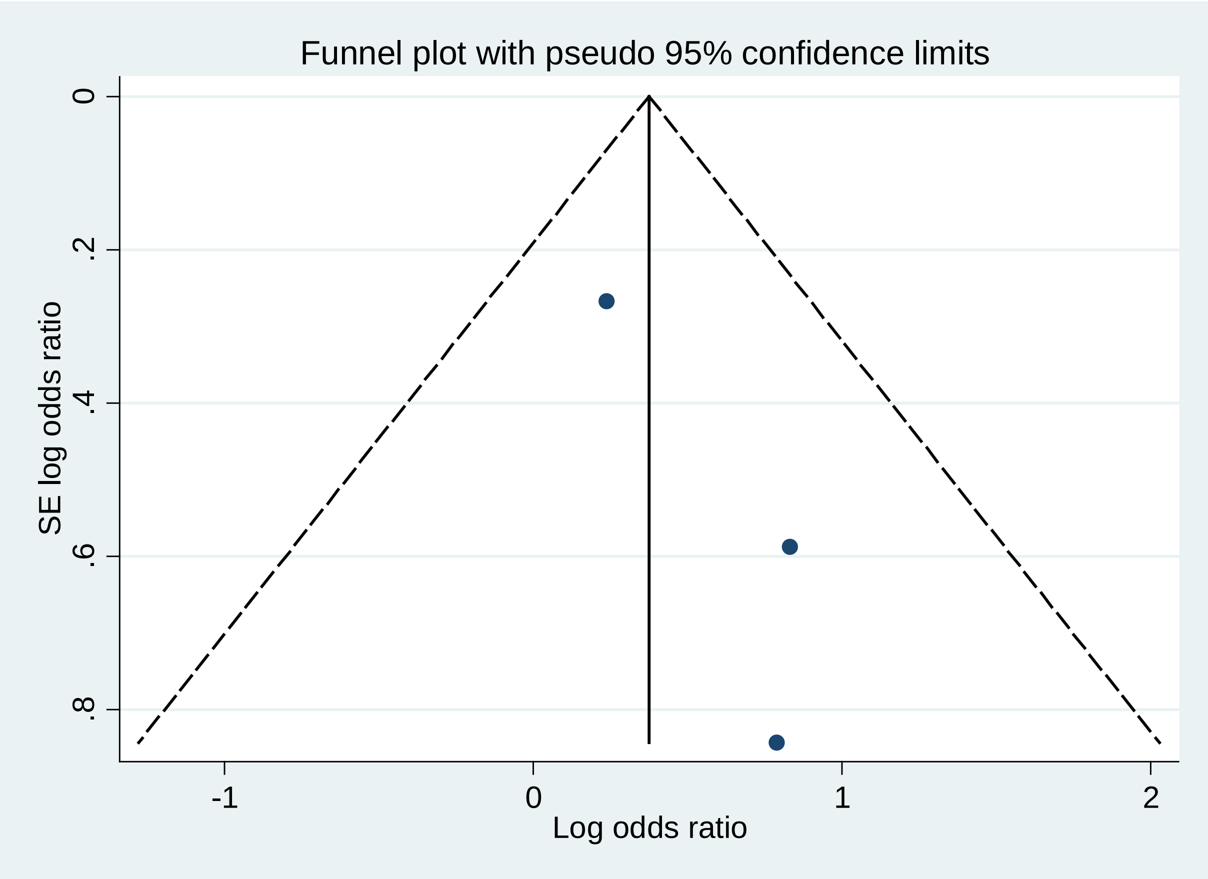
Test of ES=1 : z= 1.61 p = 0.108



Heterogeneity chi-squared = 1.11 (d.f. = 2) p = 0.575
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-1.3937596	.9183049	8



Test of H0: no small-study effects P = 0.235

Meta-regression: sample size (n) Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9999603	.0000377	-1.05	0.484	.9994814	1.00044
_cons	2.320627	1.163236	1.68	0.342	.0039768	1354.171

Meta-regression: statistical adjustment Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.6392579	.5609888	-0.51	0.700	9.19e-06	44490.99
_cons	2.2	1.854877	0.94	0.521	.000049	98852.84

Meta-regression: quality rating Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
quality	1.044009	.0823902	0.55	0.682	.38302	2.845688
_cons	.0882053	.4535872	-0.47	0.719	3.70e-30	2.10e+27

Meta-regression: crime outcome categories Number of obs = 8

Insufficient observations

Meta-regression: population categories Number of obs = 8

Insufficient observations

Meta-regression: length of follow-up (fu) Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
fu	.9864895	.0140776	-0.95	0.515	.8228962	1.182605
_cons	3.47284	3.27046	1.32	0.412	.0000221	546191

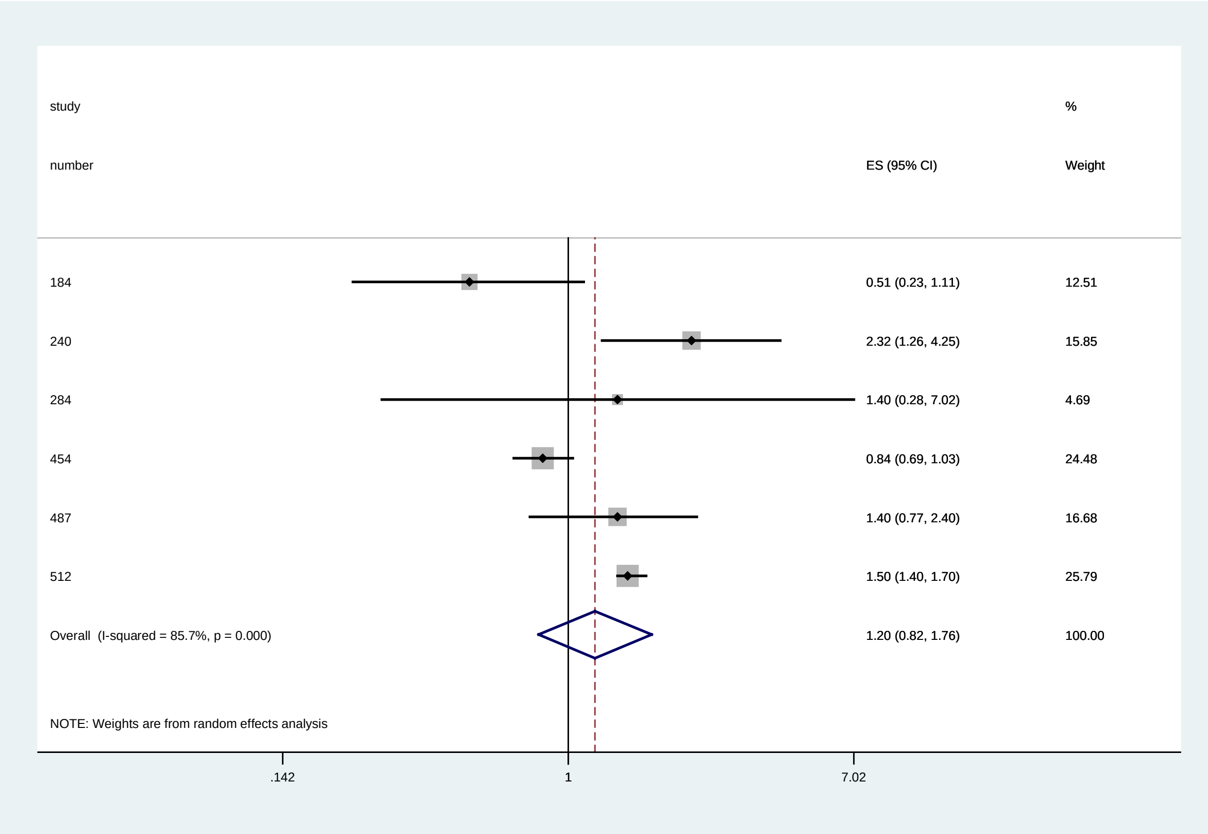
9.7.3 Meta-analysis: exposure 3

Exposure
Ethnic minority

	exp_cat	out_cat	pop_cat
1.	ethnic minority	antisocial behaviour	non-incarcerated juvenile offender
2.	ethnic minority	violent crime	general population
3.	ethnic minority	violent crime	psychiatric patients
4.	ethnic minority	violent crime	general population
5.	ethnic minority	sexual aggression	general population
6.	ethnic minority	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
184	0.510	0.230	1.110	12.51
240	2.320	1.260	4.250	15.85
284	1.400	0.280	7.020	4.69
454	0.840	0.690	1.030	24.48
487	1.400	0.770	2.400	16.68
512	1.500	1.400	1.700	25.79
D+L pooled ES	1.201	0.817	1.764	100.00

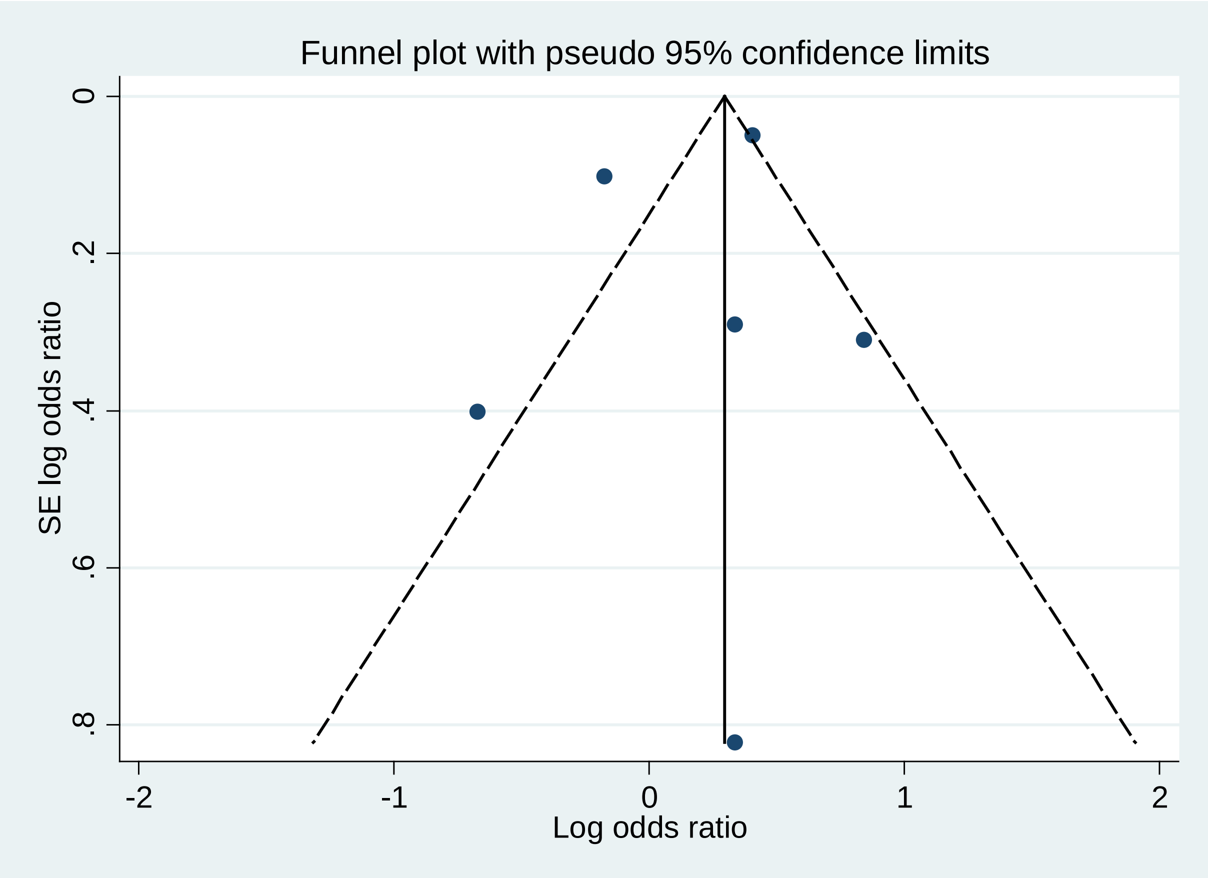
Test of ES=1 : z= 0.93 p = 0.351




```
 Heterogeneity chi-squared =  35.01 (d.f. = 5) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  85.7%
Estimate of between-study variance Tau-squared =  0.1471


Meta-analysis of Bonferroni-corrected p_values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -1.1262662   .86997357    7
--------------------------------------------------------------
```



Test of H0: no small-study effects P = 0.591

Meta-regression: sample size (n) Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9999931	.0000159	-0.43	0.687	.9999488	1.000037
_cons	1.320527	.4266979	0.86	0.438	.5384215	3.23871

Meta-regression: statistical adjustment Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.8163175	.4488989	-0.37	0.731	.1773307	3.757806
_cons	1.4	.6742245	0.70	0.523	.3676466	5.331206

Meta-regression: quality rating Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9949915	.0370111	-0.13	0.899	.8973604	1.103245
_cons	1.714308	4.566028	0.20	0.850	.0010531	2790.619

Meta-regression: crime outcome categories   Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	.9680482	.5452448	-0.06	0.958	.1612243	5.812508
outcat2	.3642857	.279331	-1.32	0.279	.0317428	4.1806
_cons	1.4	.7075468	0.67	0.553	.2802968	6.992588

Meta-regression: population categories   Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	2.559239	1.63588	1.47	0.238	.3346976	19.56902
popcat3	2.906826	2.007086	1.55	0.220	.3229258	26.16588
_cons	.51	.2941081	-1.17	0.327	.0813816	3.196054

Meta-regression: length of follow-up (fu)   Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.002542	.0065121	0.39	0.716	.9846239	1.020787
_cons	1.02533	.4725782	0.05	0.959	.2851728	3.686539

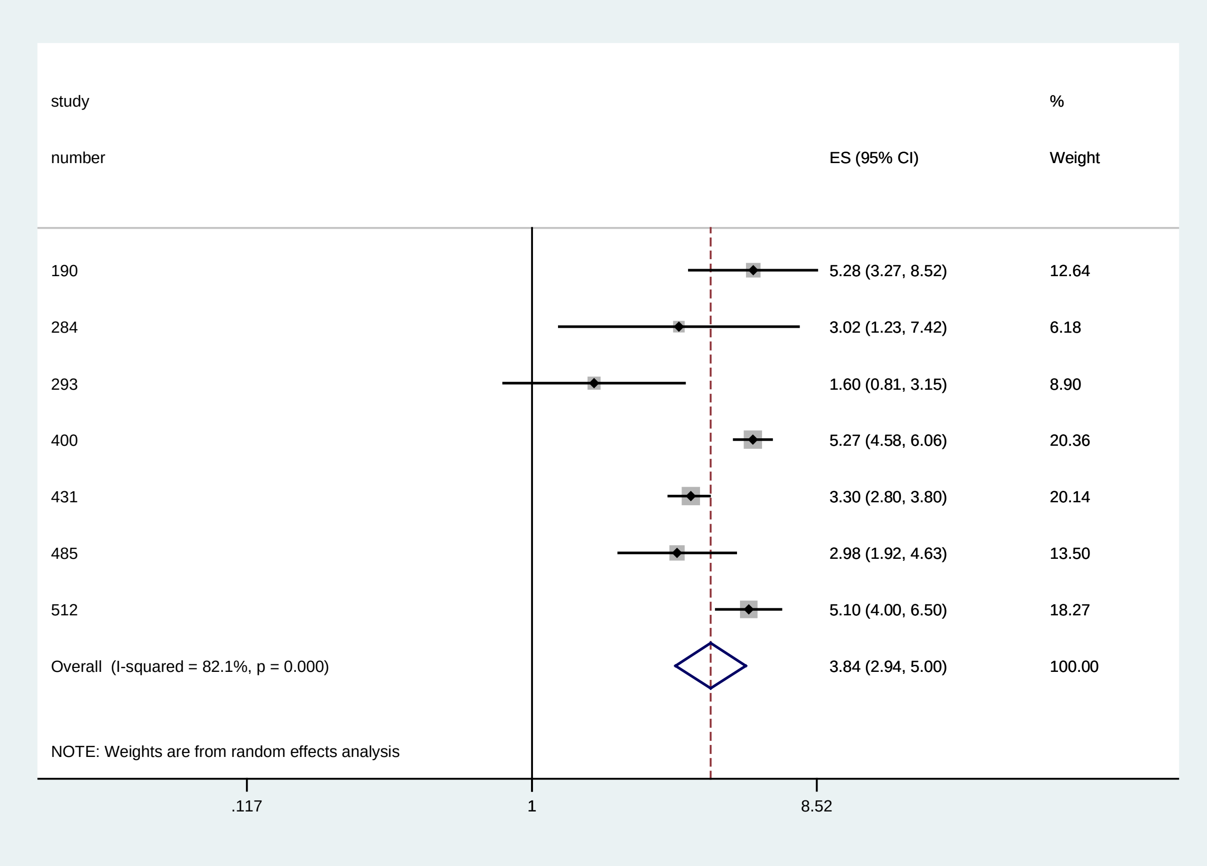
9.7.4 Meta-analysis: exposure 4

Exposure
Prior criminality

	exp_cat	out_cat	pop_cat
1.	prior criminality	criminality	psychiatric patients
2.	prior criminality	violent crime	psychiatric patients
3.	prior criminality	criminality	psychiatric patients
4.	prior criminality	criminality	psychiatric patients
5.	prior criminality	violent crime	psychiatric patients
6.	prior criminality	violent crime	psychiatric patients
7.	prior criminality	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
190	5.280	3.270	8.520	12.64
284	3.020	1.230	7.420	6.18
293	1.596	0.809	3.151	8.90
400	5.270	4.580	6.060	20.36
431	3.300	2.800	3.800	20.14
485	2.981	1.918	4.632	13.50
512	5.100	4.000	6.500	18.27
D+L pooled ES	3.836	2.944	4.997	100.00

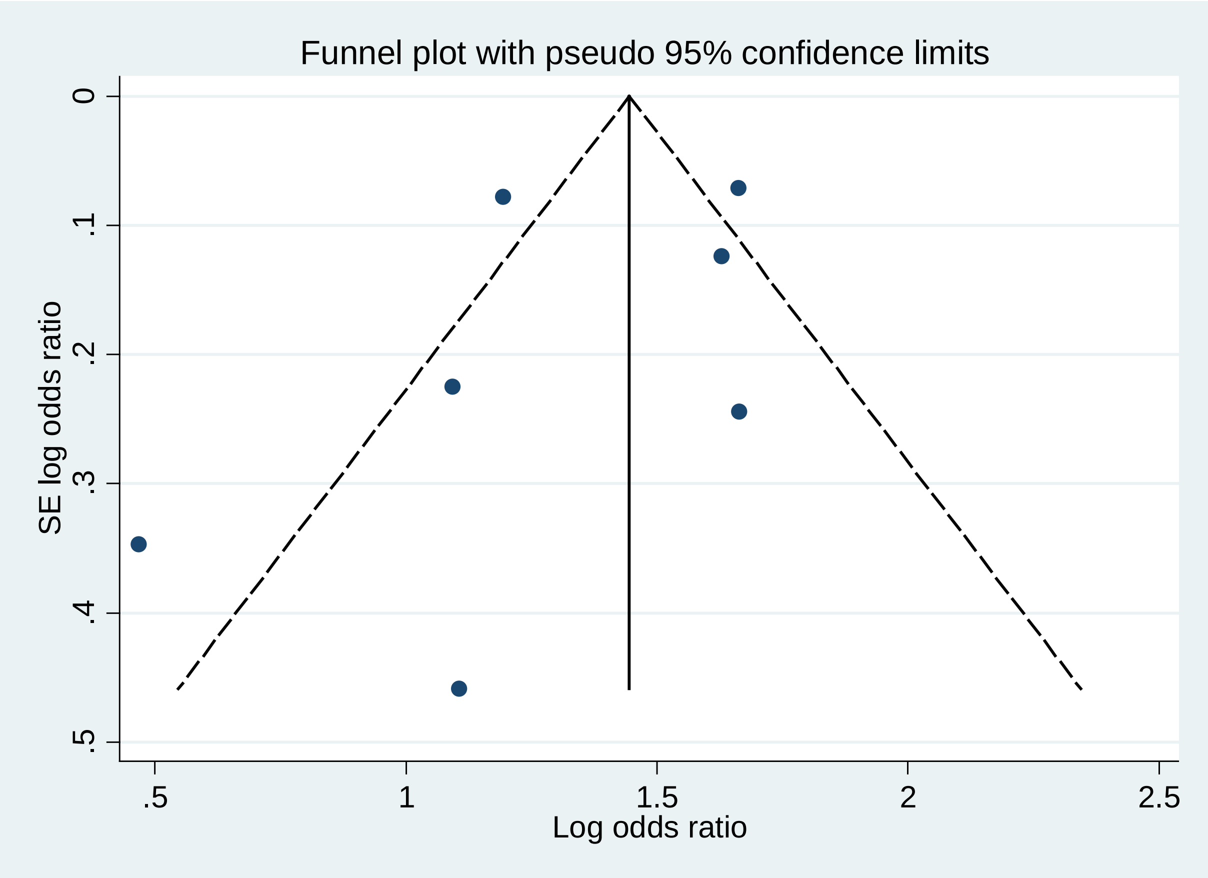
Test of ES=1 : z= 9.96 p = 0.000




```
Heterogeneity chi-squared =  33.58 (d.f. = 6) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  82.1%
Estimate of between-study variance Tau-squared =  0.0843
```

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-.40342935	.6566838	9



Test of H0: no small-study effects   P = 0.435

```
Meta-regression                                        Number of obs  =       7

------------------------------------------------------------------------------
      ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          n |    1.00002   .0000165     1.20   0.285     .9999774    1.000062
      _cons |   3.164786   .6741003     5.41   0.003      1.83043    5.471868
------------------------------------------------------------------------------

Meta-regression                                        Number of obs  =       7

------------------------------------------------------------------------------
      ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   adjusted |   .7606898   .2420187    -0.86   0.429     .3357536    1.723434
      _cons |    4.22859   .8676941     7.03   0.001      2.49526    7.165976
------------------------------------------------------------------------------

Meta-regression                                        Number of obs  =       7

------------------------------------------------------------------------------
      ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    quality |   .9740911   .0160714    -1.59   0.172     .9336421    1.016292
      _cons |   24.91863   29.18469     2.75   0.041     1.227466    505.8699
------------------------------------------------------------------------------
```

```
Meta-regression                                       Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     outcat2 |   .7932872   .3041296    -0.60   0.572     .2960945    2.125351
       _cons |   3.985299   .7372952     7.47   0.001     2.476992    6.412053
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       7

Term popcat dropped

Meta-regression                                       Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   .9986904   .0007651    -1.71   0.148     .9967257    1.000659
       _cons |   4.753811   .8189806     9.05   0.000     3.052894    7.402392
------------------------------------------------------------------------------
```

9.7.5 Meta-analysis: exposure 5

Exposure
Emotional problems

Insufficient number of relative risk estimates for meta-analysis

Method	Z	p_value	studies
Edgington, Normal	-.004899	.50195441	2

9.7.6 Meta-analysis: exposure 6

Exposure
Psychotic symptoms

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

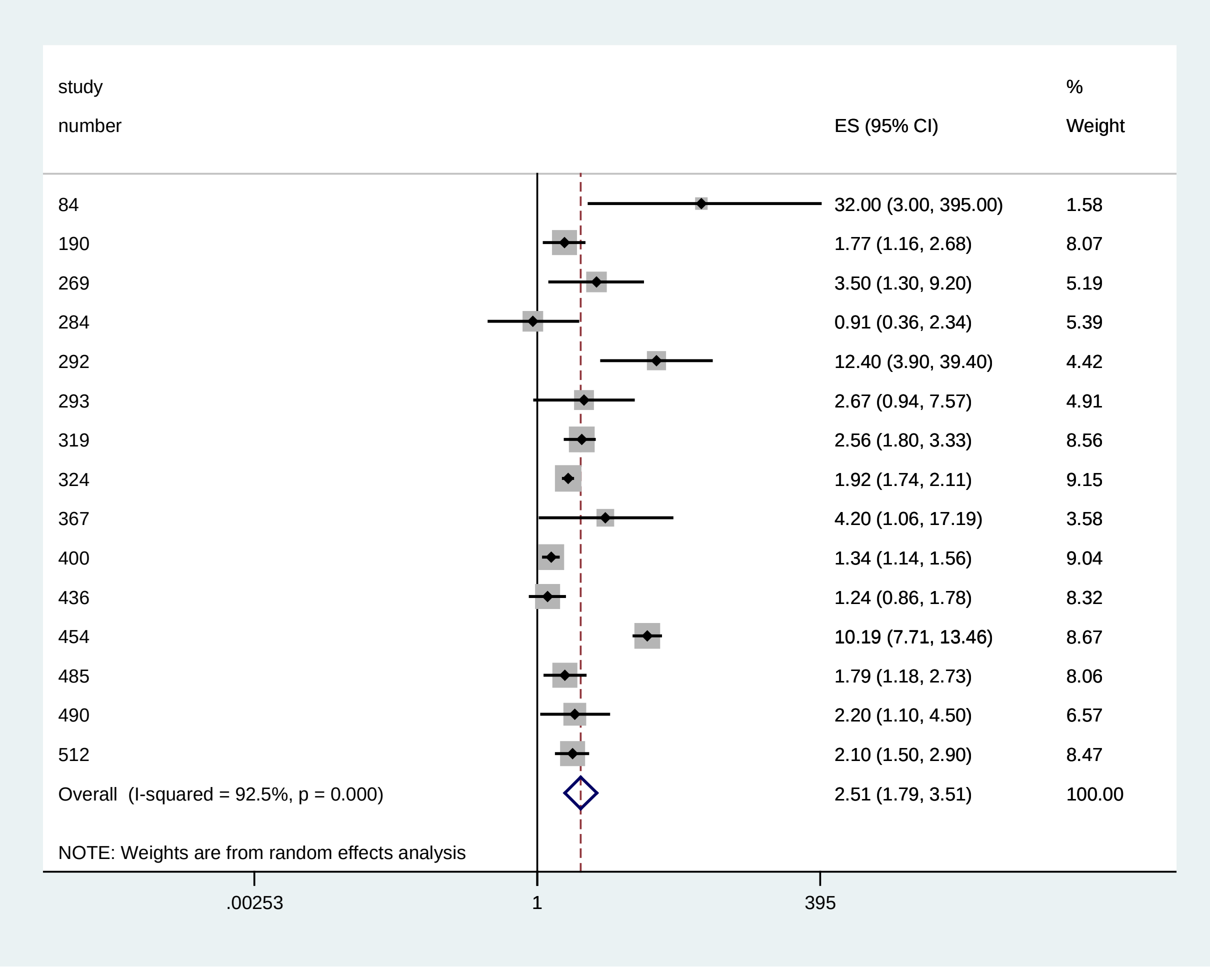
9.7.7 Meta-analysis: exposure 7

Exposure
Drugs/alcohol

	exp_cat	out_cat	pop_cat
1.	drugs/alcohol	homicide	psychiatric patients
2.	drugs/alcohol	criminality	psychiatric patients
3.	drugs/alcohol	violent crime	general population
4.	drugs/alcohol	violent crime	psychiatric patients
5.	drugs/alcohol	frequent violent crime	general population
6.	drugs/alcohol	criminality	psychiatric patients
7.	drugs/alcohol	traffic crime	psychiatric patients
8.	drugs/alcohol	criminality	psychiatric patients
9.	drugs/alcohol	criminality	psychiatric patients
10.	drugs/alcohol	criminality	psychiatric patients
11.	drugs/alcohol	criminality	psychiatric patients
12.	drugs/alcohol	drug related crime	general population
13.	drugs/alcohol	violent crime	psychiatric patients
14.	drugs/alcohol	adult onset criminality	general population
15.	drugs/alcohol	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
84	32.000	3.000	395.000	1.58
190	1.770	1.160	2.680	8.07
269	3.500	1.300	9.200	5.19
284	0.910	0.360	2.340	5.39
292	12.400	3.900	39.400	4.42
293	2.675	0.945	7.573	4.91
319	2.560	1.800	3.330	8.56
324	1.920	1.740	2.110	9.15
367	4.200	1.060	17.190	3.58
400	1.340	1.140	1.560	9.04
436	1.240	0.860	1.780	8.32
454	10.190	7.710	13.460	8.67
485	1.793	1.176	2.734	8.06
490	2.200	1.100	4.500	6.57
512	2.100	1.500	2.900	8.47
D+L pooled ES	2.508	1.790	3.515	100.00

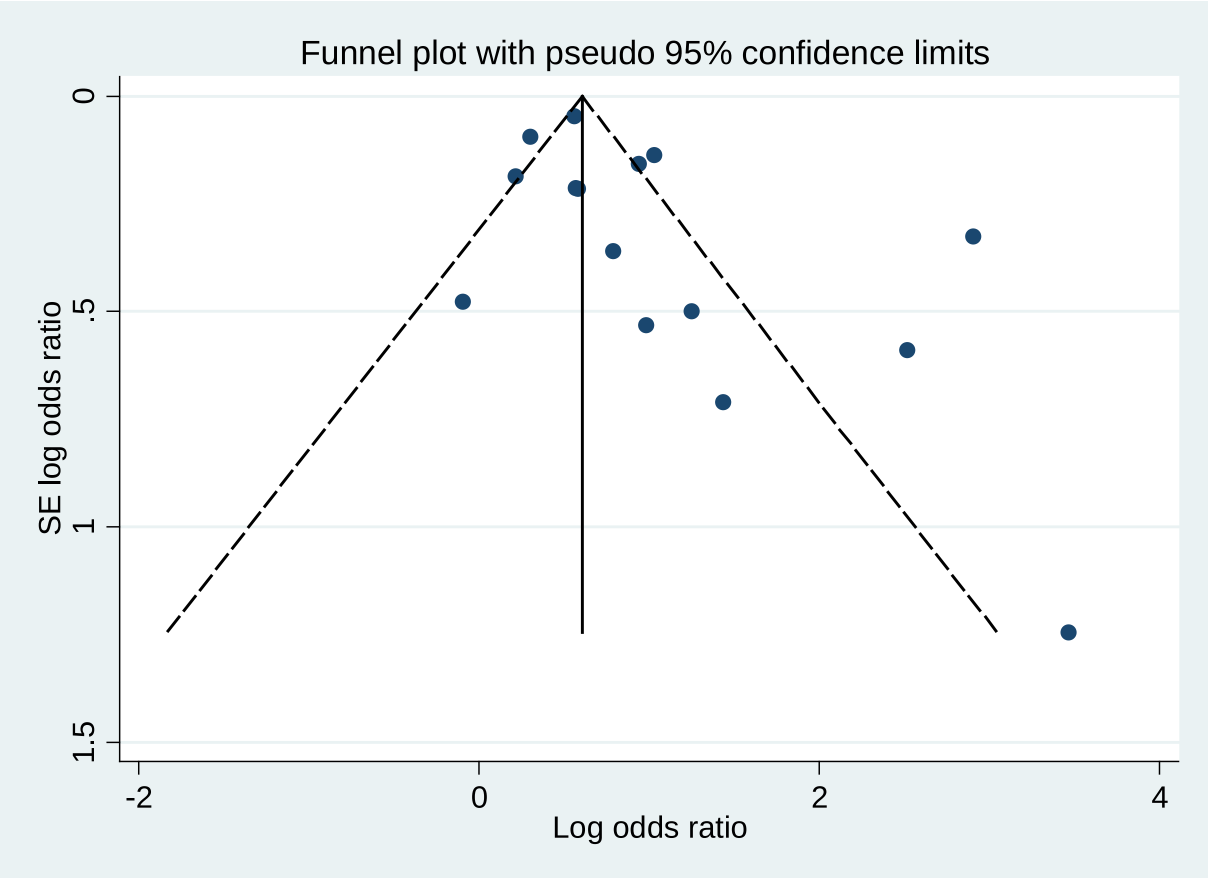
Test of ES=1 : z= 5.34 p = 0.000




```
Heterogeneity chi-squared = 186.68 (d.f. = 14) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  92.5%
Estimate of between-study variance Tau-squared =  0.3214


Meta-analysis of Bonferroni-corrected p_values

--------------------------------------------------------------
 Method                |   Z            p_value       studies
----------------------+---------------------------------------
 Edgington, Normal     |   2.1751139    .01481079     20
--------------------------------------------------------------
```




```
Test of H0: no small-study effects          P = 0.310

Meta-regression                                       Number of obs  =       15

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
            n |    1.000027   .0000173     1.58   0.139     .9999899    1.000065
        _cons |    2.084081   .4651479     3.29   0.006     1.286793    3.375362
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       15

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     adjusted |    1.493607   .6198903     0.97   0.351     .6093139    3.661269
        _cons |    2.128844   .6035926     2.66   0.019     1.153785    3.927919
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       15

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      quality |    1.027695   .0226758     1.24   0.238     .9798567     1.07787
        _cons |    .3632243   .5748916    -0.64   0.533     .0118901    11.09594
------------------------------------------------------------------------------
```

Meta-regression Number of obs = 15

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	.8701085	.402477	-0.30	0.771	.2994519	2.528249
outcat2	4.631818	2.277391	3.12	0.014	1.490519	14.39347
outcat3	5.636363	4.428059	2.20	0.059	.9208926	34.4976
outcat4	1.163636	.5781042	0.31	0.768	.3700592	3.659007
outcat5	.7401108	.3276065	-0.68	0.516	.2666824	2.053994
outcat6	14.54545	20.53628	1.90	0.095	.5607404	377.3052
_cons	2.2	.9417751	1.84	0.103	.8197992	5.903885

Meta-regression Number of obs = 15

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	3.190569	1.088995	3.40	0.005	1.526274	6.669663
_cons	1.846518	.2994595	3.78	0.002	1.300753	2.621272

Meta-regression Number of obs = 15

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	.9997294	.0013373	-0.20	0.843	.9968446	1.002623
_cons	2.661754	.743521	3.50	0.004	1.455747	4.866874

9.7.8 Meta-analysis: exposure 8

Exposure
Poor treatment engagement

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	2.9372695	.00165558	4

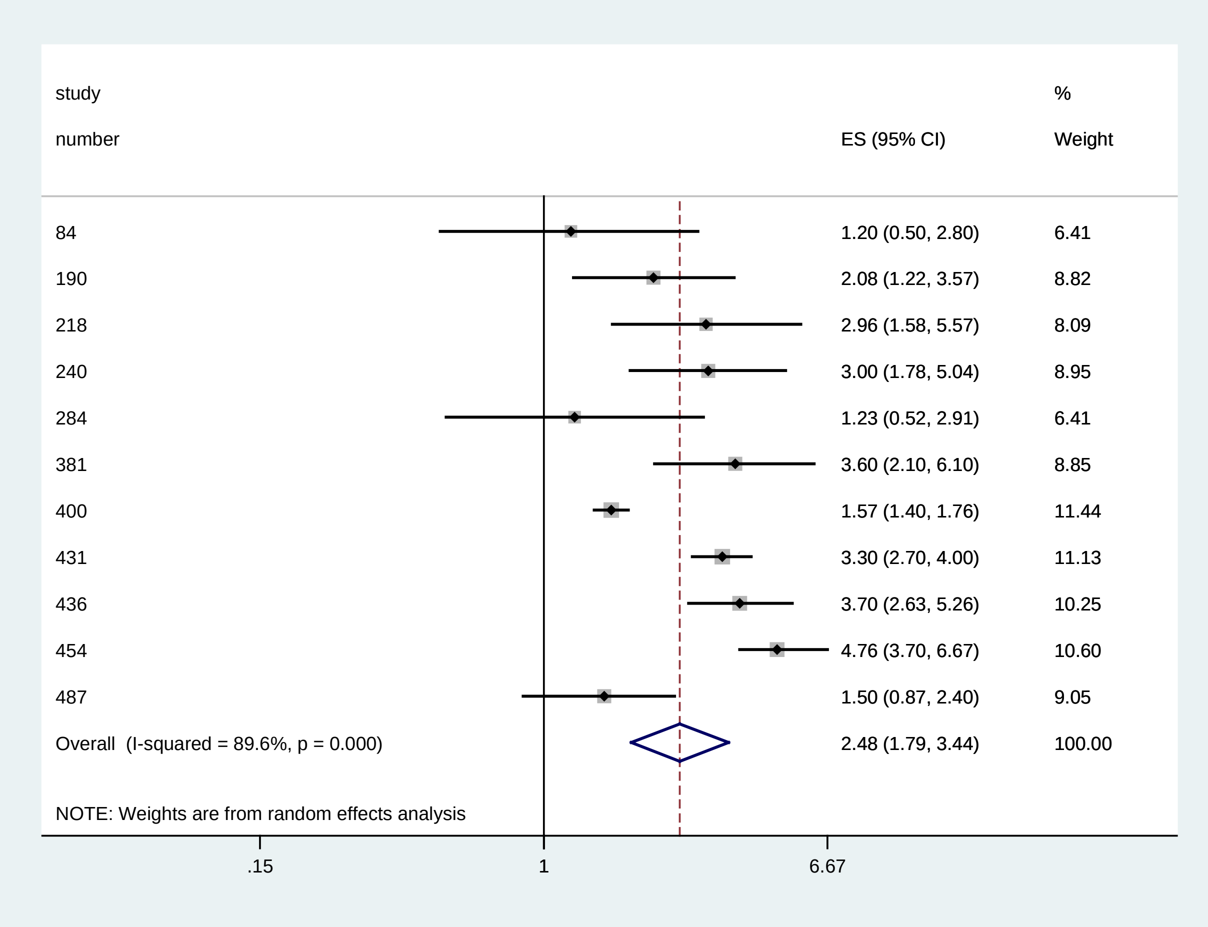
9.7.9 Meta-analysis: exposure 9

Exposure
Male sex

	exp_cat	out_cat	pop_cat
1.	sex	homicide	psychiatric patients
2.	sex	criminality	psychiatric patients
3.	sex	property crime	psychiatric patients
4.	sex	violent crime	general population
5.	sex	violent crime	psychiatric patients
6.	sex	criminality	psychiatric patients
7.	sex	criminality	psychiatric patients
8.	sex	violent crime	psychiatric patients
9.	sex	criminality	psychiatric patients
10.	sex	violent crime	general population
11.	sex	sexual aggression	general population

Study	ES	[95% Conf.	Interval]	% Weight
84	1.200	0.500	2.800	6.41
190	2.083	1.220	3.571	8.82
218	2.960	1.580	5.570	8.09
240	3.000	1.780	5.040	8.95
284	1.230	0.520	2.910	6.41
381	3.600	2.100	6.100	8.85
400	1.570	1.400	1.760	11.44
431	3.300	2.700	4.000	11.13
436	3.704	2.632	5.263	10.25
454	4.762	3.704	6.667	10.60
487	1.500	0.870	2.400	9.05
D+L pooled ES	2.484	1.794	3.441	100.00

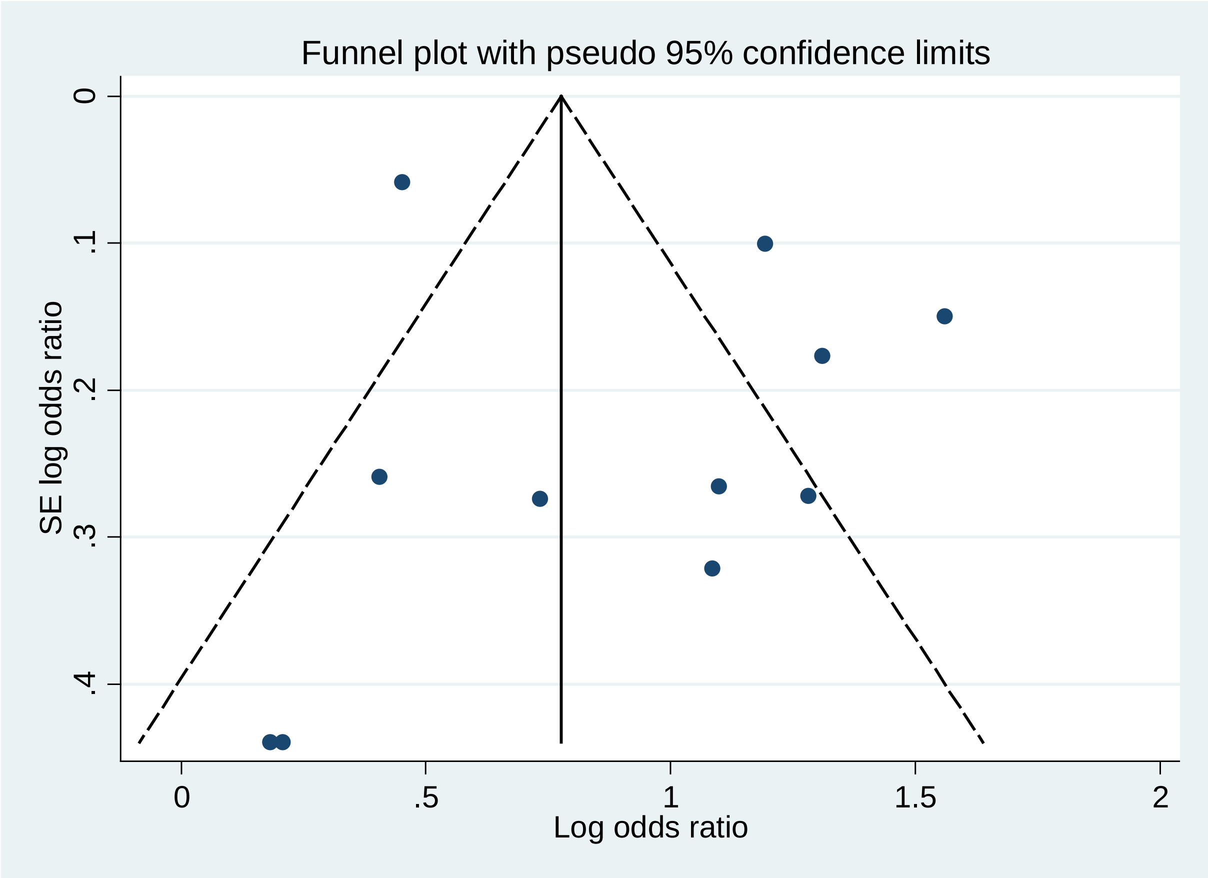
Test of ES=1 : z= 5.47 p = 0.000




```
Heterogeneity chi-squared =  96.25 (d.f. = 10) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  89.6%
Estimate of between-study variance Tau-squared =  0.2382
```

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	.88351511	.18847901	15



Test of H0: no small-study effects P = 0.308

Meta-regression Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
n	1.00002	.0000123	1.60	0.144	.9999918	1.000048
_cons	2.175543	.3543872	4.77	0.001	1.504984	3.144877

Meta-regression Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
adjusted	1.180483	.347435	0.56	0.587	.6066125	2.29725
_cons	2.302503	.4844433	3.96	0.003	1.430526	3.705994

Meta-regression Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
quality	1.00591	.0165665	0.36	0.729	.9691236	1.044093
_cons	1.6544	1.935249	0.43	0.677	.117333	23.32711

Meta-regression Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	2.581131	1.691448	1.45	0.198	.5193045	12.82915
outcat2	2.466666	1.988636	1.12	0.306	.3430627	17.73566
outcat3	2.081171	1.357693	1.12	0.304	.4217423	10.26995
outcat4	1.25	.9772837	0.29	0.785	.1845346	8.467246
_cons	1.2	.7327649	0.30	0.775	.2693202	5.346796

Meta-regression Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	1.217643	.395902	0.61	0.560	.5835667	2.540676
_cons	2.368324	.4128256	4.95	0.001	1.596579	3.513111

Meta-regression Number of obs = 11

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.0013	.0009649	1.35	0.211	.9991197	1.003485
_cons	2.199942	.3768584	4.60	0.001	1.49319	3.241211

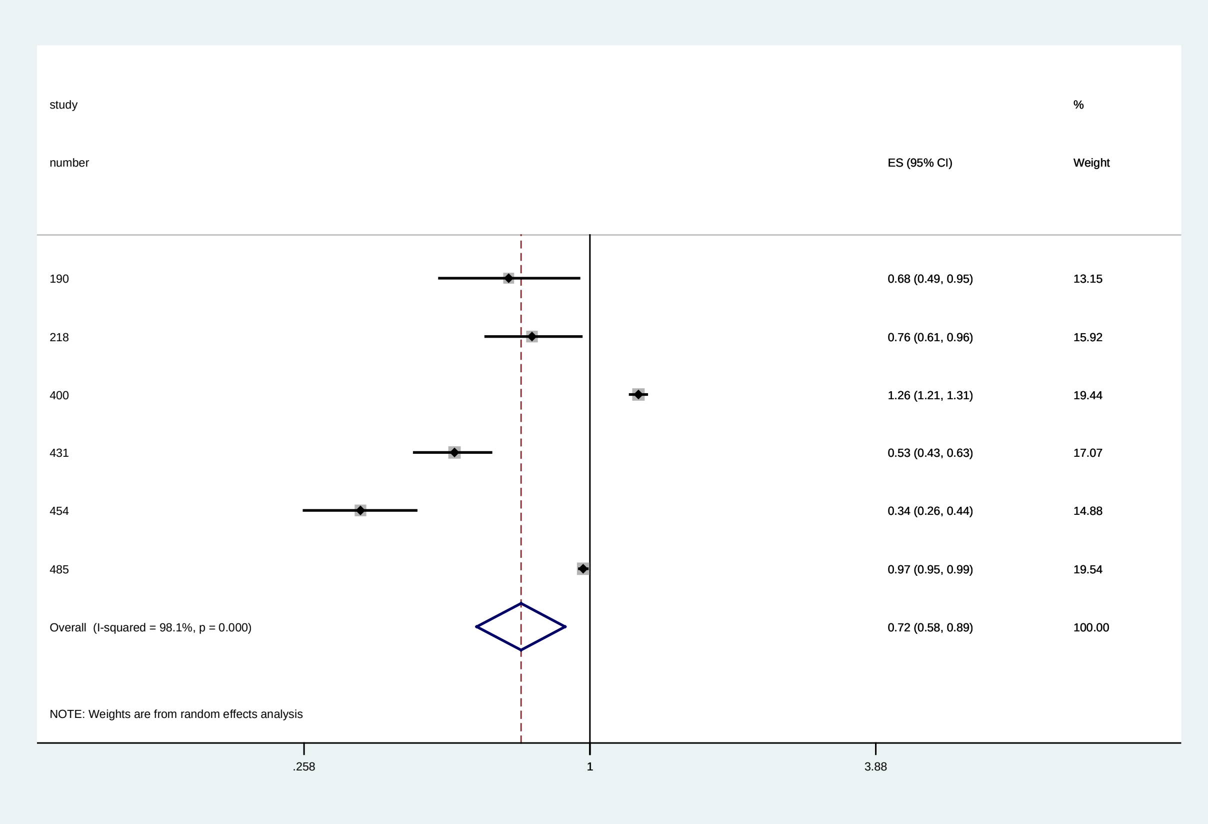
9.7.10 Meta-analysis: exposure 10

Exposure
Age

	exp_cat	out_cat	pop_cat
1.	age	criminality	psychiatric patients
2.	age	property crime	psychiatric patients
3.	age	criminality	psychiatric patients
4.	age	violent crime	psychiatric patients
5.	age	violent crime	general population
6.	age	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
190	0.680	0.490	0.950	13.15
218	0.760	0.610	0.960	15.92
400	1.260	1.210	1.310	19.44
431	0.526	0.435	0.625	17.07
454	0.337	0.258	0.439	14.88
485	0.969	0.951	0.988	19.54
D+L pooled ES	0.721	0.585	0.889	100.00

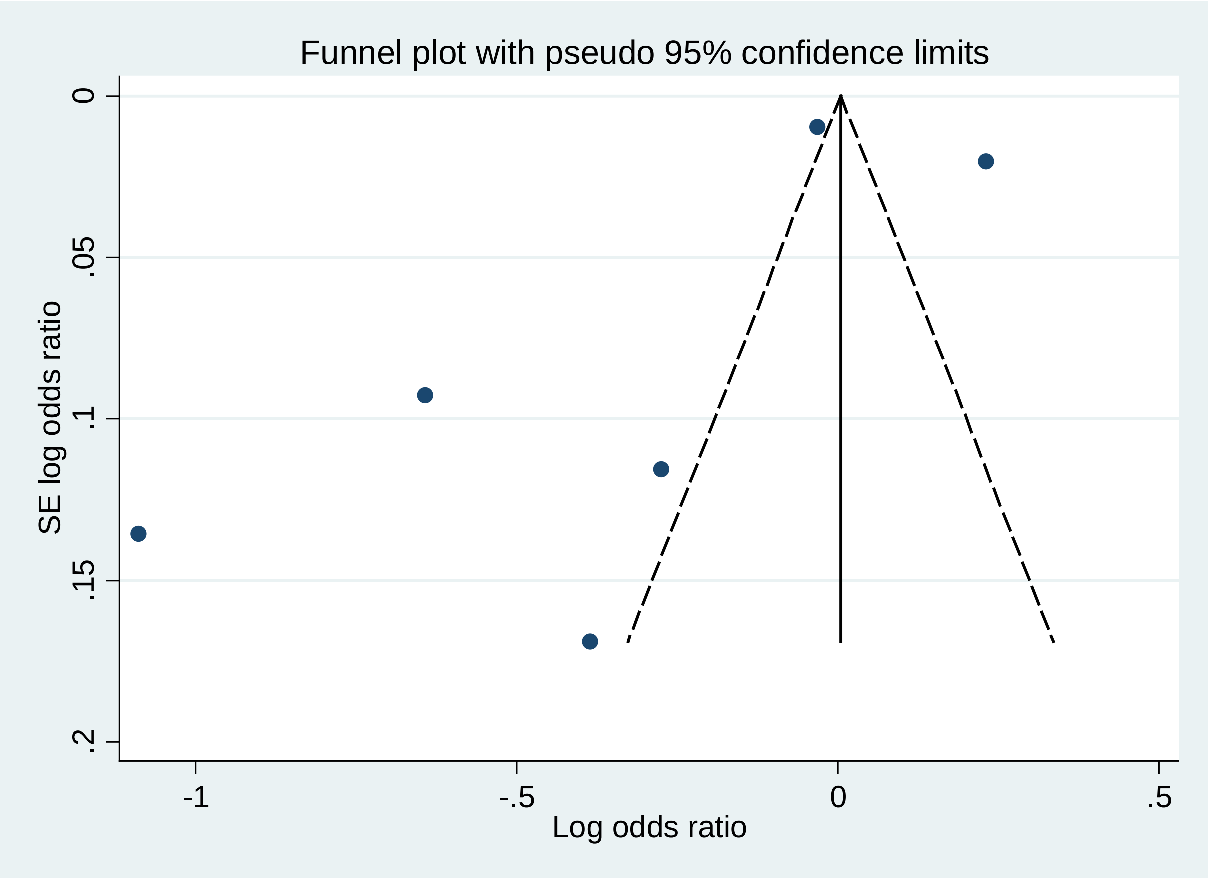
Test of ES=1 : z= 3.06 p = 0.002



Heterogeneity chi-squared = 263.65 (d.f. = 5) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 98.1%
Estimate of between-study variance Tau-squared = 0.0584

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	1.5665944	.05860477	11




```
Test of H0: no small-study effects          P = 0.420


Meta-regression                                       Number of obs  =       6

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
            n |    .9999747    .0000128    -1.98   0.119      .999939     1.00001
        _cons |    .9127156    .1825723    -0.46   0.672     .5237668    1.590497
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       6

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     adjusted |    .8217851    .3410642    -0.47   0.661     .2596086    2.601342
        _cons |    .7733666    .2273076    -0.87   0.431     .3419627    1.749009
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       6

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      quality |    .9704894    .0193325    -1.50   0.207     .9182711    1.025677
        _cons |    6.334631    9.315407     1.26   0.278     .1067915    375.7559
------------------------------------------------------------------------------
```

```
Meta-regression                                       Number of obs  =       6

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     outcat1 |   .6427754   .2534369    -1.12   0.325     .2150959    1.920819
       _cons |   .9450387    .305129    -0.18   0.870     .3855929    2.316168
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       6

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     popcat1 |   .4135968     .16186    -2.26   0.087     .1395381    1.225919
       _cons |   .8140787   .1261607    -1.33   0.255     .5294197    1.251793
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       6

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |    .998916    .001434    -0.76   0.492     .9949427    1.002905
       _cons |   .7738344   .1837133    -1.08   0.341     .4002989    1.495931
------------------------------------------------------------------------------
```

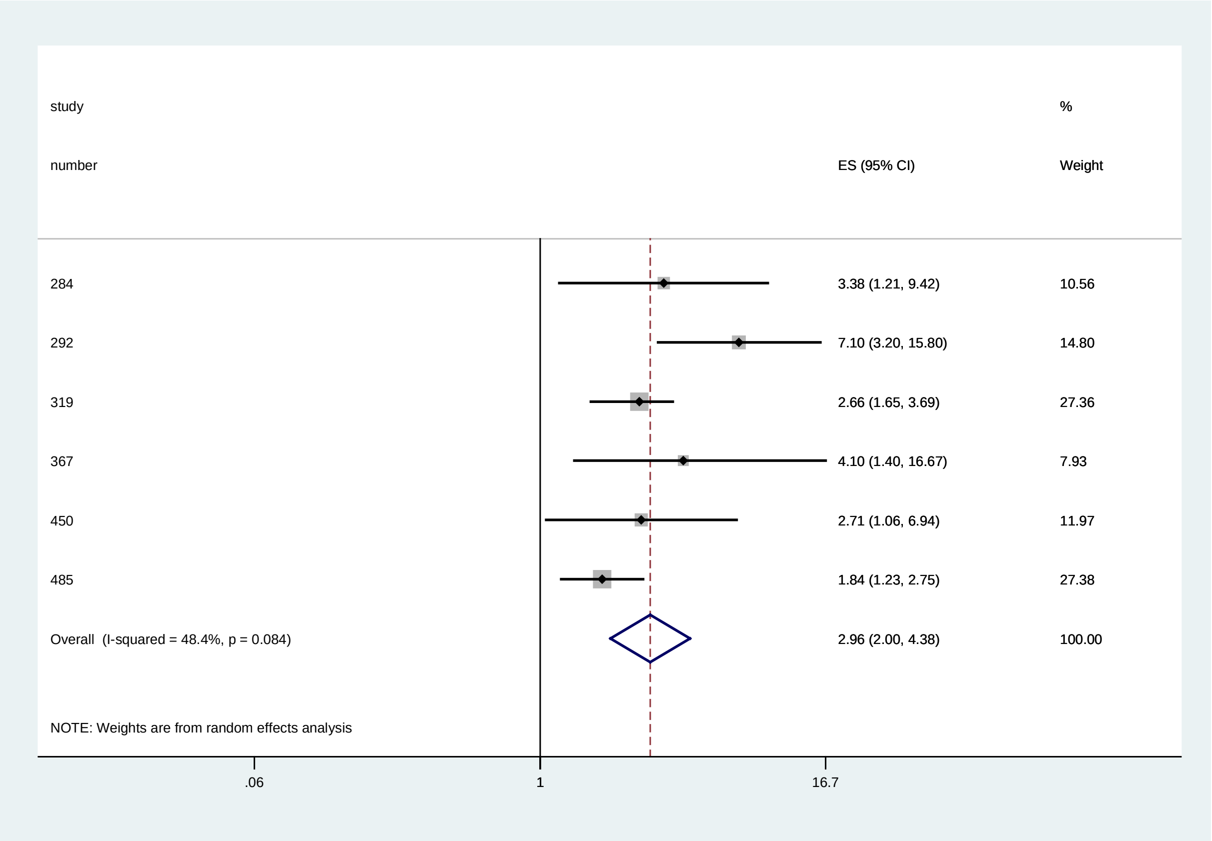
9.7.11 Meta-analysis: exposure 11

Exposure
Personality

	exp_cat	out_cat	pop_cat
1.	personality	violent crime	psychiatric patients
2.	personality	frequent violent crime	general population
3.	personality	violent crime	psychiatric patients
4.	personality	criminality	psychiatric patients
5.	personality	violent crime	incarcerated offenders
6.	personality	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
284	3.380	1.210	9.420	10.56
292	7.100	3.200	15.800	14.80
319	2.660	1.650	3.690	27.36
367	4.100	1.400	16.670	7.93
450	2.710	1.060	6.940	11.97
485	1.842	1.233	2.754	27.38
D+L pooled ES	2.959	2.000	4.377	100.00

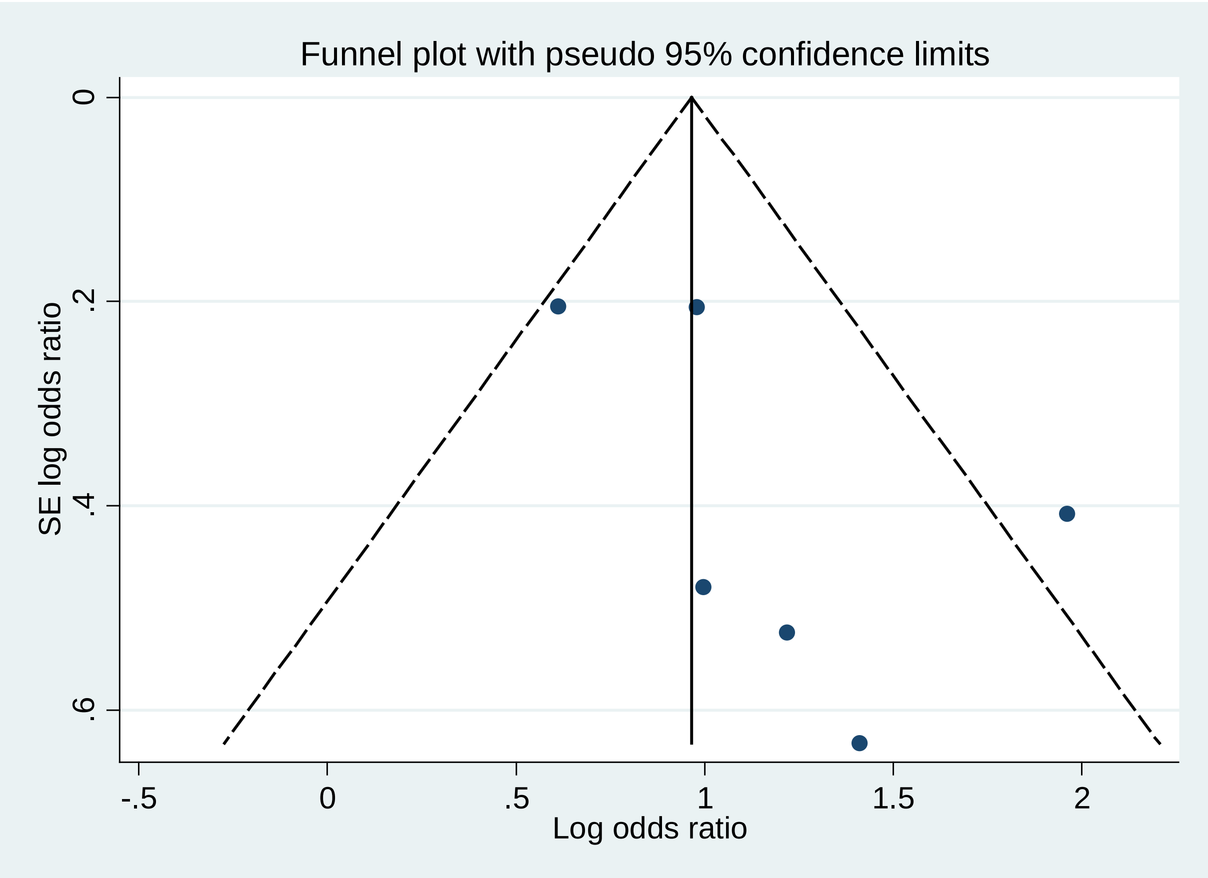
Test of ES=1 : z= 5.43 p = 0.000



```
Heterogeneity chi-squared =   9.69 (d.f. = 5) p = 0.084
I-squared (variation in ES attributable to heterogeneity) =  48.4%
Estimate of between-study variance Tau-squared =  0.1037

Meta-analysis of Bonferroni-corrected p_values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   1.5419515    .06154269    8
--------------------------------------------------------------
```




```
Test of H0: no small-study effects          P = 0.181


Meta-regression: sample size (n)                      Number of obs  =       6

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           n |    1.00035    .000217     1.61    0.182     .9997476    1.000953
       _cons |   2.122074   .5450269     2.93    0.043     1.040083    4.329653
------------------------------------------------------------------------------
```

Meta-regression: statistical adjustment Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.100399	.5483823	0.19	0.857	.2758314	4.389918
_cons	2.882871	1.14451	2.67	0.056	.9574597	8.680204

Meta-regression: quality rating Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	1.048515	.040356	1.23	0.286	.9422476	1.166767
_cons	.0820348	.2399819	-0.85	0.441	.0000244	276.3055

Meta-regression: crime outcome categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	.5674933	.3720548	-0.86	0.451	.0704415	4.57186
outcat2	1.731707	1.322812	0.72	0.524	.152302	19.6899
_cons	4.1	2.620299	2.21	0.114	.5363832	31.33953

Meta-regression: population categories Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	2.619926	1.72626	1.46	0.240	.3218223	21.32858
popcat2	.8810561	.4620402	-0.24	0.825	.1660343	4.675297
_cons	2.71	1.35225	2.00	0.140	.5537486	13.26252

Meta-regression: length of follow-up (fu) Number of obs = 6

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.001409	.0023226	0.61	0.577	.994981	1.007878
_cons	2.796492	.6809367	4.22	0.013	1.42235	5.498202

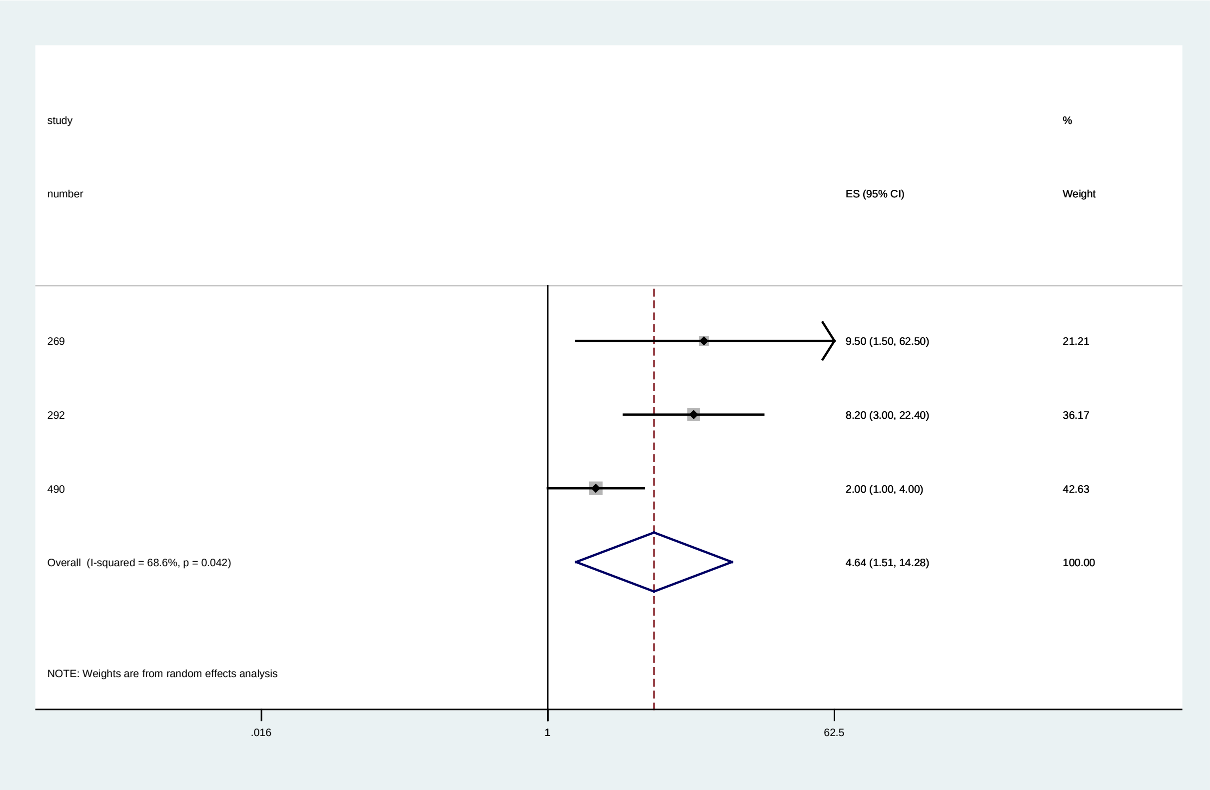
9.7.12 Meta-analysis: exposure 13

Exposure
Anxiety

	exp_cat	out_cat	pop_cat
1.	anxiety	violent crime	general population
2.	anxiety	frequent violent crime	general population
3.	anxiety	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
269	9.500	1.500	62.500	21.21
292	8.200	3.000	22.400	36.17
490	2.000	1.000	4.000	42.63
D+L pooled ES	4.636	1.505	14.278	100.00

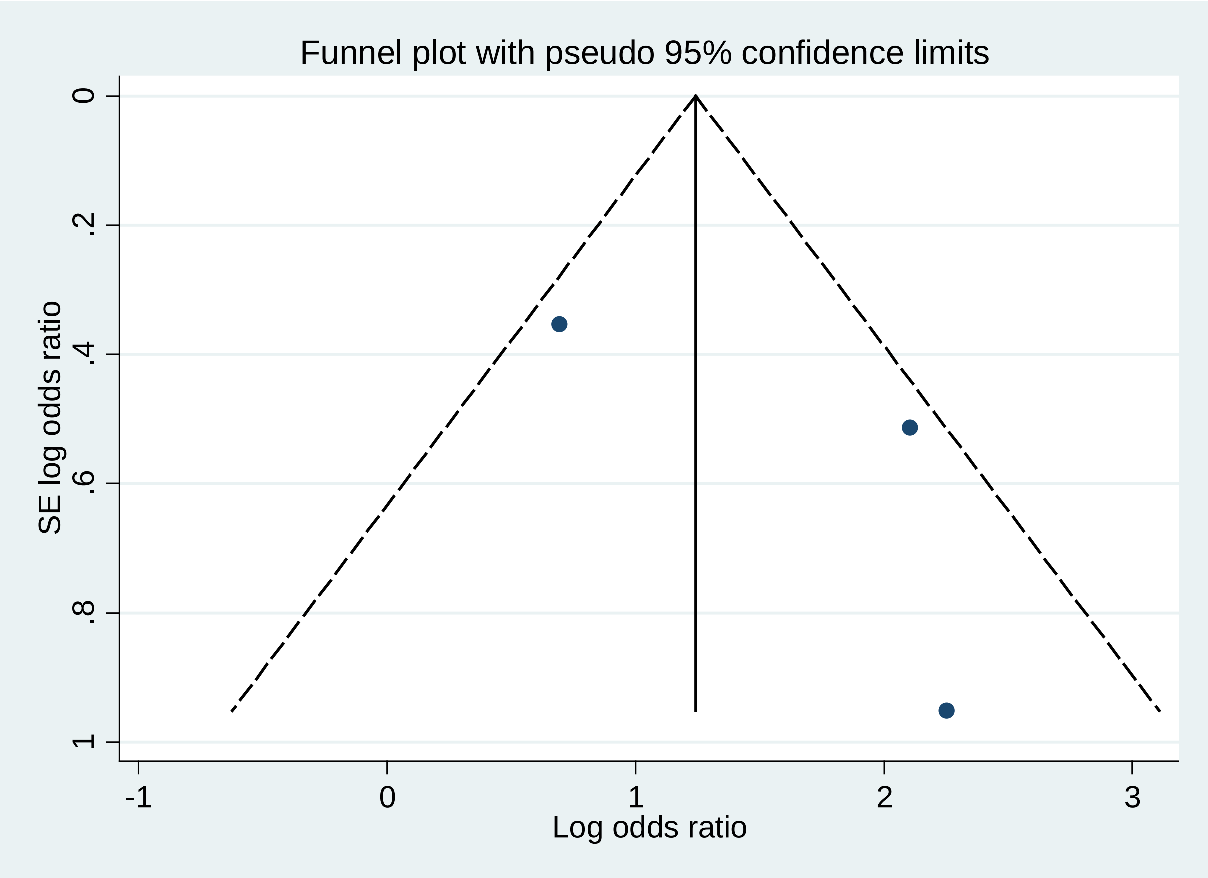
Test of ES=1 : z= 2.67 p = 0.008



Heterogeneity chi-squared = 6.36 (d.f. = 2) p = 0.042
I-squared (variation in ES attributable to heterogeneity) = 68.6%
Estimate of between-study variance Tau-squared = 0.6476

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	.04811085	.48081395	5



Test of H0: no small-study effects P = 0.433

Meta-regression: sample size (n) Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.00063	.0002692	2.34	0.257	.9972148	1.004057
_cons	1.657311	.6966356	1.20	0.442	.0079408	345.8949

Meta-regression: statistical adjustment Number of obs = 3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	2.416394	2.965428	0.72	0.603	4.08e-07	1.43e+07
_cons	3.393486	2.503539	1.66	0.346	.0002881	39968.19

```
Meta-regression: quality rating                       Number of obs  =       3

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |   1.015018   .0779807     0.19   0.878     .3824057    2.694157
       _cons |   1.664846   9.262568     0.09   0.942     3.31e-31    8.37e+30
------------------------------------------------------------------------------


Meta-regression: crime outcome categories             Number of obs  =       3

insufficient observations


Meta-regression: population categories                Number of obs  =       3


term dropped because of collinearity


Meta-regression: length of follow-up (fu)             Number of obs  =       3


------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   .9966452   .0013312    -2.52   0.241      .979873    1.013704
       _cons |   10.04156   5.085684     4.55   0.138     .0161071    6260.147
------------------------------------------------------------------------------
```

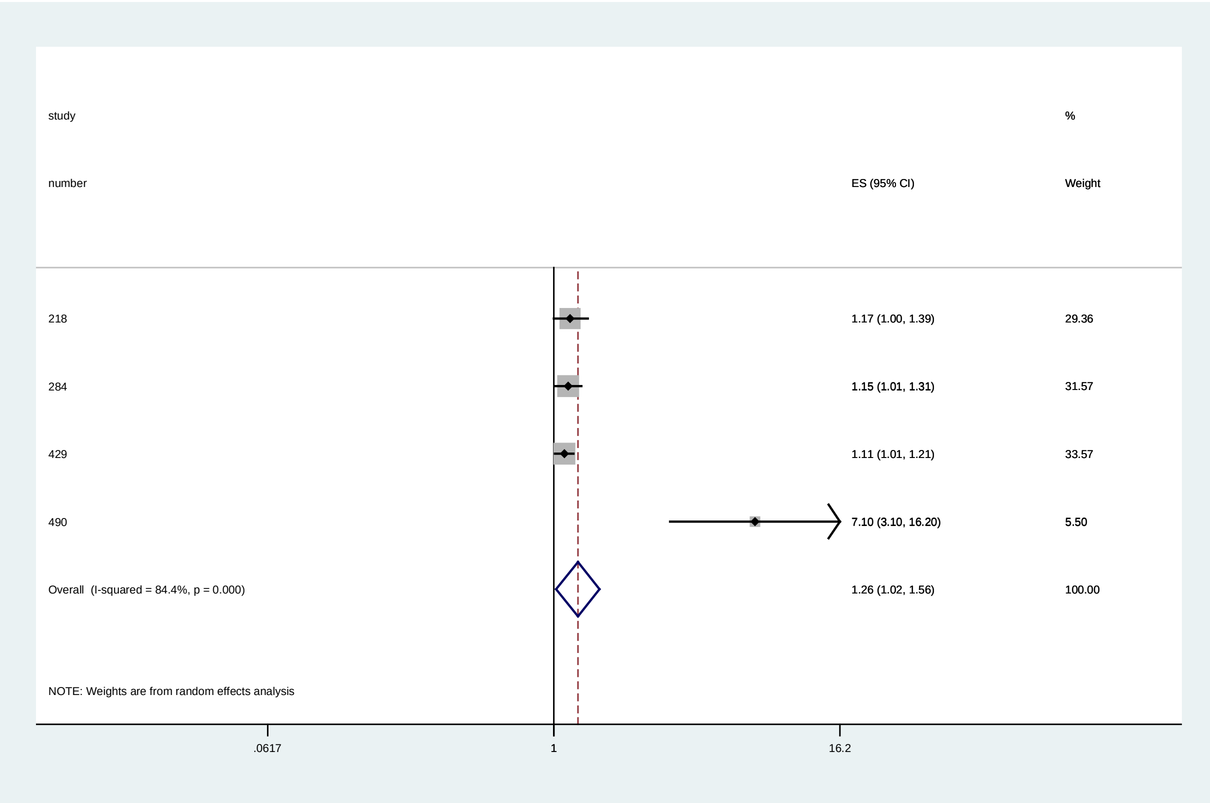
9.7.13 Meta-analysis: exposure 16

Exposure
Psychopathy traits

	exp_cat	out_cat	pop_cat
1.	psychopathy traits	property crime	psychiatric patients
2.	psychopathy traits	violent crime	psychiatric patients
3.	psychopathy traits	violent crime	general population
4.	psychopathy traits	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
218	1.170	1.000	1.390	29.36
284	1.151	1.012	1.309	31.57
429	1.110	1.010	1.210	33.57
490	7.100	3.100	16.200	5.50
D+L pooled ES	1.263	1.023	1.559	100.00

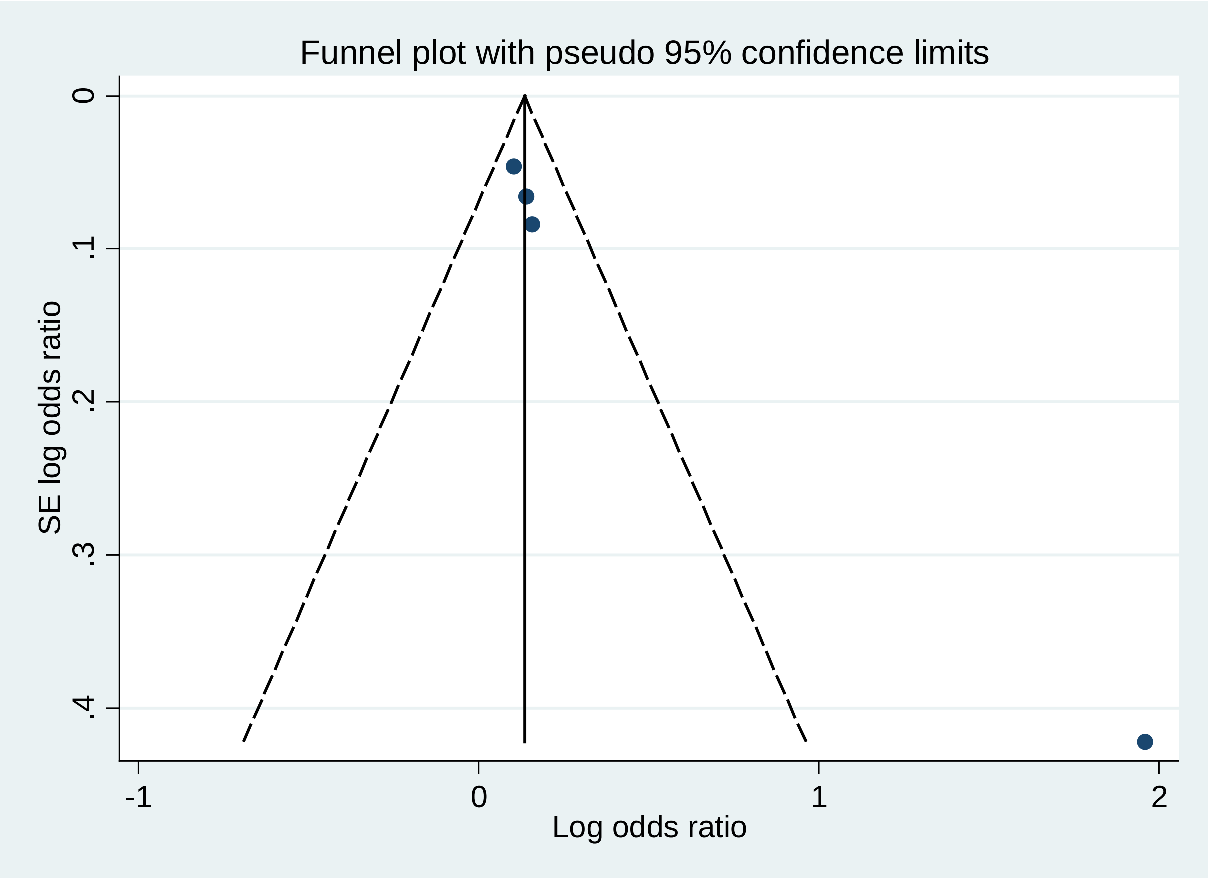
Test of ES=1 : z= 2.17 p = 0.030



Heterogeneity chi-squared = 19.24 (d.f. = 3) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 84.4%
Estimate of between-study variance Tau-squared = 0.0323

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	.30483185	.38024711	12



Test of H0: no small-study effects   P = 0.048

Meta-regression   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.999405	.0014635	-0.41	0.724	.9931279	1.005722
_cons	2.409415	2.383628	0.89	0.468	.0341422	170.0322

Meta-regression   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.4410964	.3888881	-0.93	0.451	.0099331	19.58761
_cons	2.583332	1.652246	1.48	0.276	.1648354	40.48646

```
Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |   .9090963   .0258941    -3.35   0.079     .8042396    1.027624
       _cons |   3763.364   8980.043     3.45   0.075     .1308361    1.08e+08
------------------------------------------------------------------------------

. metareg ln_rr outcat*, wsse(se_rr) eform
insufficient observations
r(2001);

Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     popcat1 |    2.18849   1.971313     0.87   0.476     .0453901    105.5184
       _cons |   1.160443   .7208687     0.24   0.833     .0801375    16.80397
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   1.003484    .001275     2.74   0.112     .9980132    1.008985
       _cons |   .9745654   .2328912    -0.11   0.924     .3485529    2.724917
------------------------------------------------------------------------------
```

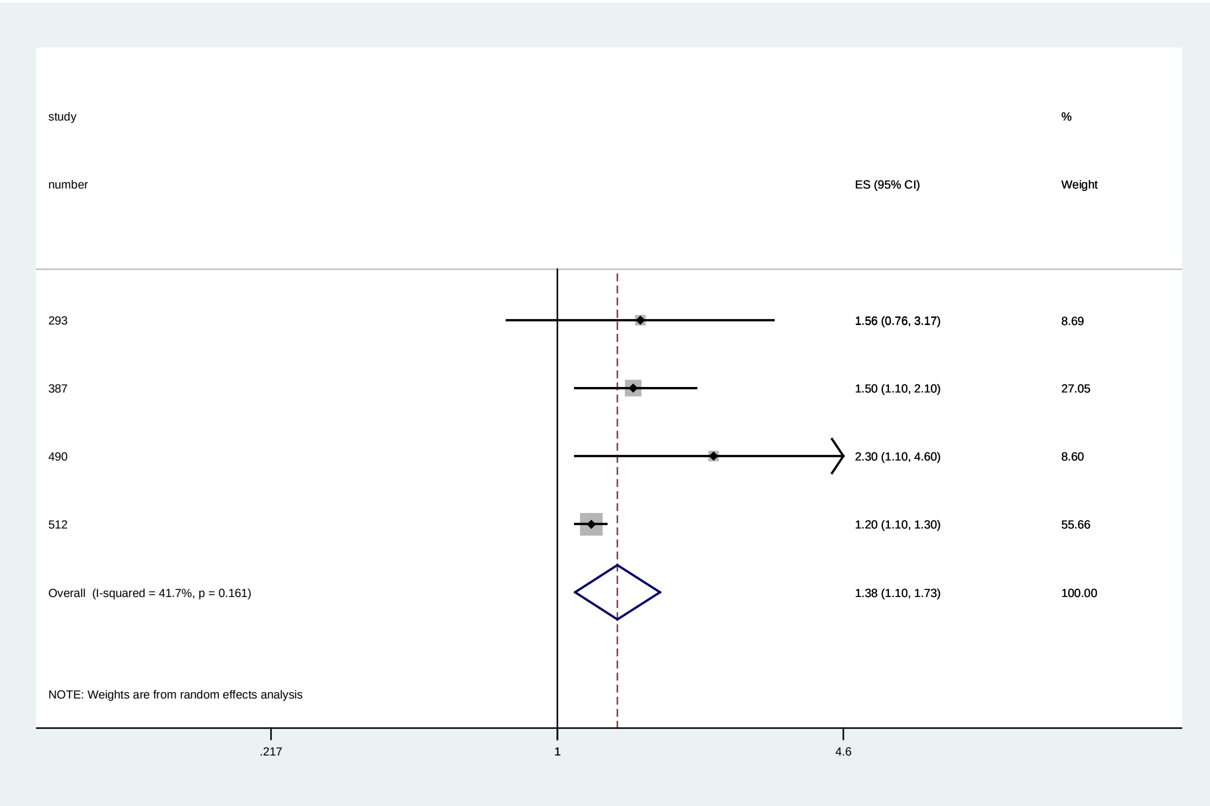
9.7.14 Meta-analysis: exposure 17

Exposure
Low SES

	exp_cat	out_cat	pop_cat
1.	SES	violent crime	psychiatric patients
2.	SES	criminality	general population
3.	SES	adult onset criminality	general population
4.	SES	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
293	1.558	0.765	3.171	8.69
387	1.500	1.100	2.100	27.05
490	2.300	1.100	4.600	8.60
512	1.200	1.100	1.300	55.66
D+L pooled ES	1.379	1.099	1.730	100.00

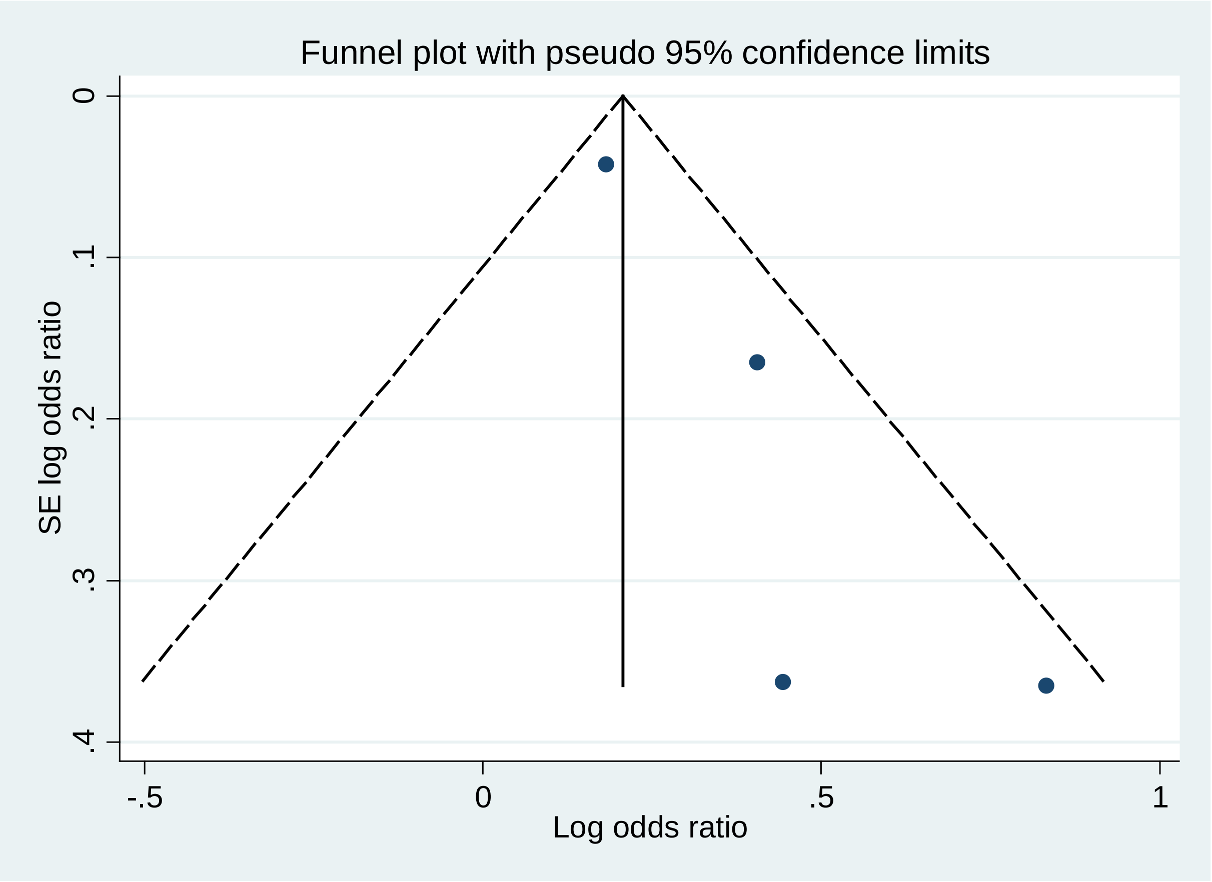
Test of ES=1 : z= 2.78 p = 0.005



Heterogeneity chi-squared = 5.15 (d.f. = 3) p = 0.161
I-squared (variation in ES attributable to heterogeneity) = 41.7%
Estimate of between-study variance Tau-squared = 0.0222

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-1.7686155	.96152097	6



Test of H0: no small-study effects P = 0.063

Meta-regression: sample size (n) Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9999792	9.89e-06	-2.10	0.170	.9999366	1.000022
_cons	1.994218	.4650865	2.96	0.098	.7311024	5.439601

Meta-regression: statistical adjustment Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.5569757	.2166069	-1.50	0.271	.1045042	2.968512
_cons	2.3	.8696161	2.20	0.158	.4520792	11.70149

Meta-regression: quality rating   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
quality	.9744799	.0426729	-0.59	0.615	.8071335	1.176523
_cons	8.448814	25.56482	0.71	0.554	.0000187	3810207

Meta-regression: crime outcome categories   Number of obs =   4

Insufficient observations

Meta-regression: population categories   Number of obs =   4

Term dropped because of collinearity

Meta-regression: length of follow-up (fu)   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
fu	1.001125	.0005269	2.14	0.166	.9988605	1.003394
_cons	1.05426	.0875131	0.64	0.590	.7376249	1.506815

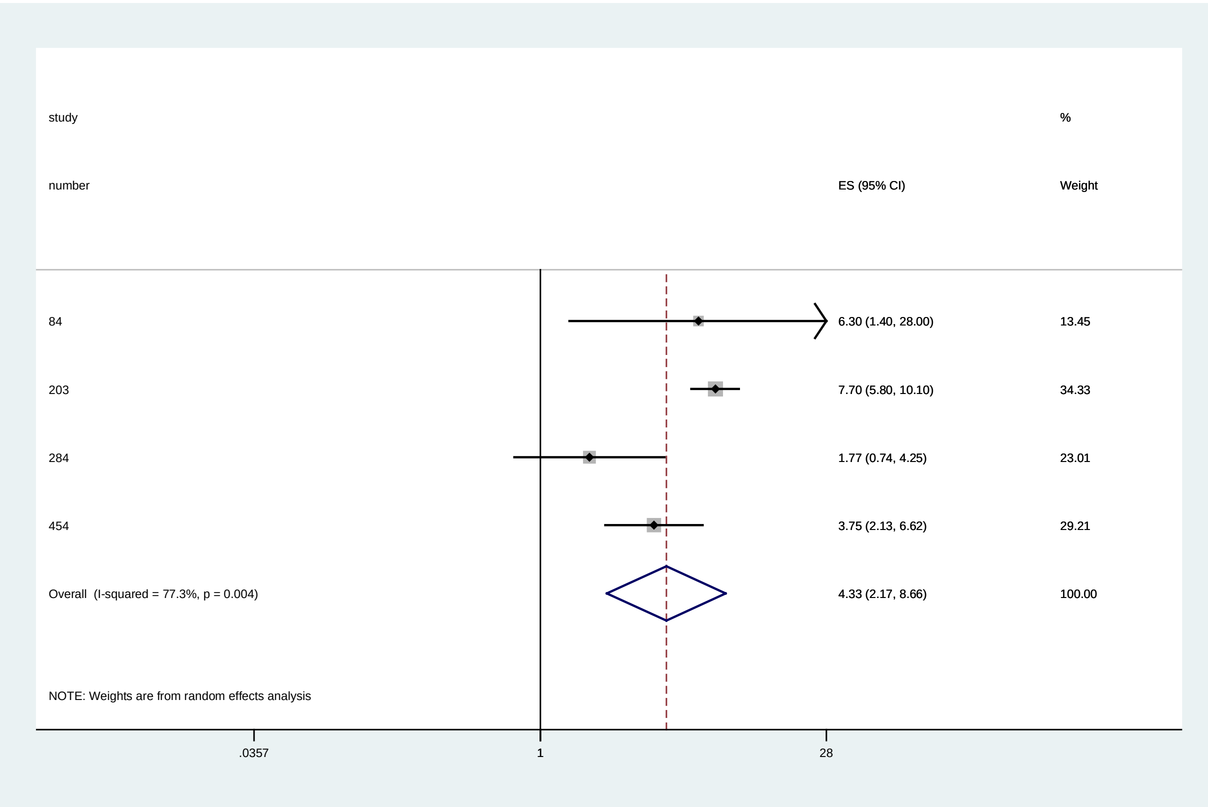
9.7.15 Meta-analysis: exposure 18

Exposure
SMI + drugs

	exp_cat	out_cat	pop_cat
1.	SMI(+drugs)	homicide	psychiatric patients
2.	SMI(+drugs)	violent crime	psychiatric patients
3.	SMI(+drugs)	violent crime	psychiatric patients
4.	SMI(+drugs)	violent crime	general population

Study	ES	[95% Conf.	Interval]	% Weight
84	6.300	1.400	28.000	13.45
203	7.700	5.800	10.100	34.33
284	1.770	0.740	4.250	23.01
454	3.750	2.130	6.620	29.21
D+L pooled ES	4.331	2.167	8.655	100.00

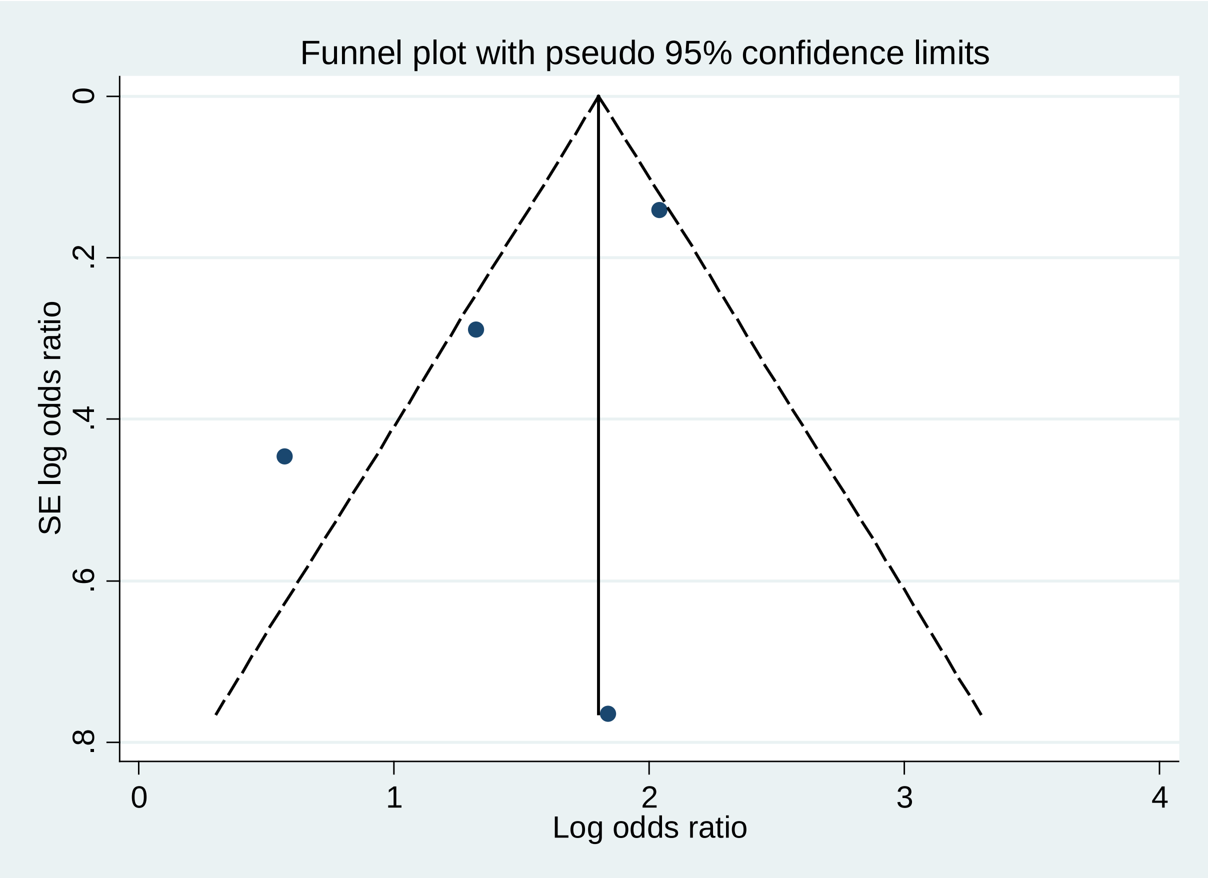
Test of ES=1 : z= 4.15 p = 0.000



Heterogeneity chi-squared = 13.24 (d.f. = 3) p = 0.004
I-squared (variation in ES attributable to heterogeneity) = 77.3%
Estimate of between-study variance Tau-squared = 0.3435

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	.08046047	.46793552	4



Test of H0: no small-study effects P = 0.298

Meta-regression: sample size (n) Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
n	.9999967	.0000282	-0.12	0.917	.9998755	1.000118
_cons	4.423066	2.310829	2.85	0.104	.4671589	41.87765

Meta-regression: statistical adjustment Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
adjusted	.8345037	.7819618	-0.19	0.865	.0148068	47.03215
_cons	4.493689	2.246101	3.01	0.095	.523122	38.6014

Meta-regression: quality rating Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
quality	.8933847	.0279516	-3.60	0.069	.7808625	1.022121
_cons	24157.2	55647.93	4.38	0.048	1.198238	4.87e+08

Meta-regression: crime outcome categories Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
outcat1	.6385885	.6990838	-0.41	0.722	.0057489	70.93475
_cons	6.3	6.372748	1.82	0.210	.0811232	489.256

Meta-regression: population categories Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
popcat1	.8345037	.7819618	-0.19	0.865	.0148068	47.03215
_cons	4.493689	2.246101	3.01	0.095	.523122	38.6014

Meta-regression: length of follow-up (fu) Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
fu	1.005757	.0018754	3.08	0.091	.9977198	1.013859
_cons	2.752664	.791943	3.52	0.072	.7982718	9.491956

9.7.16 Meta-analysis: exposure 19

Exposure
HCR20

```
Insufficient number of relative risk estimates for meta-analysis



Meta-analysis of Bonferroni-corrected p_values

--------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+---------------------------------------
 Edgington, Normal     |   -.68095814   .75205101    2
--------------------------------------------------------------
```

9.7.17 Meta-analysis: exposure 22

Exposure
Anger

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	1.180654	.11887009	2

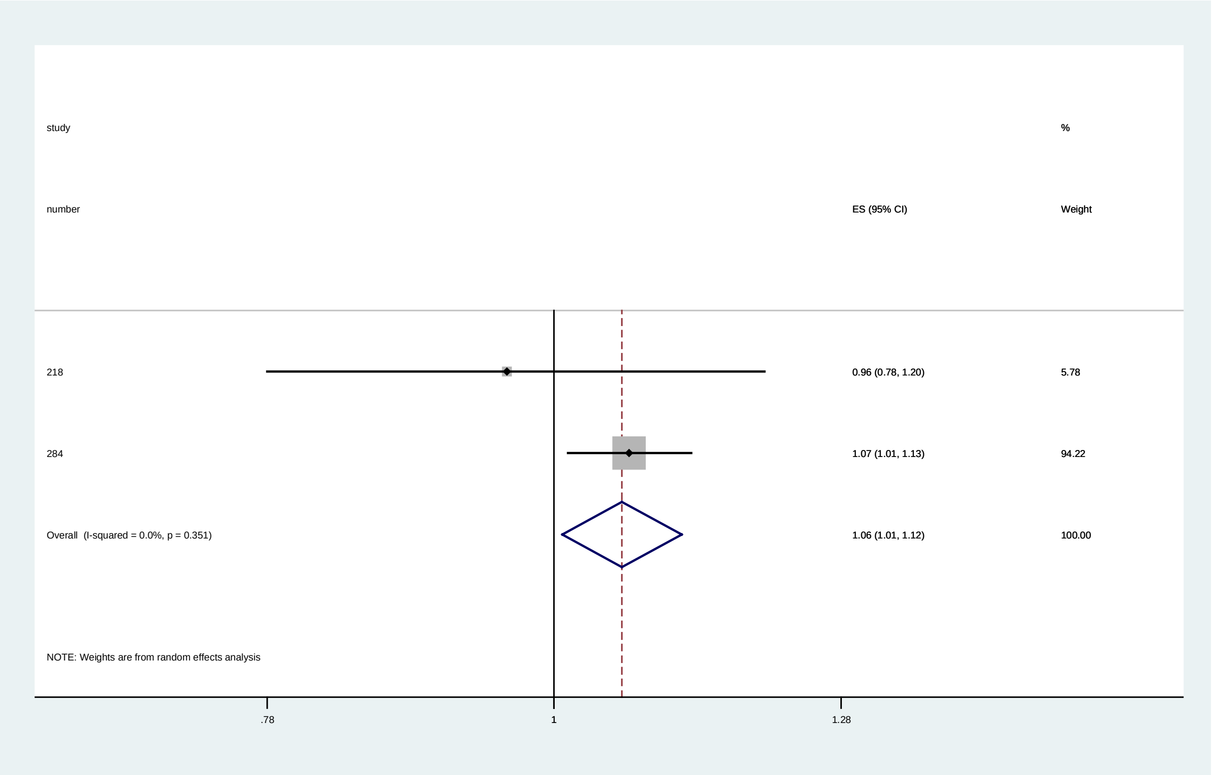
9.7.18 Meta-analysis: exposure 23

Exposure
Impulsiveness

	exp_cat	out_cat	pop_cat
1.	impulsiveness	violent crime	psychiatric patients
2.	impulsiveness	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
218	0.960	0.780	1.200	5.78
284	1.067	1.012	1.126	94.22
D+L pooled ES	1.060	1.007	1.117	100.00

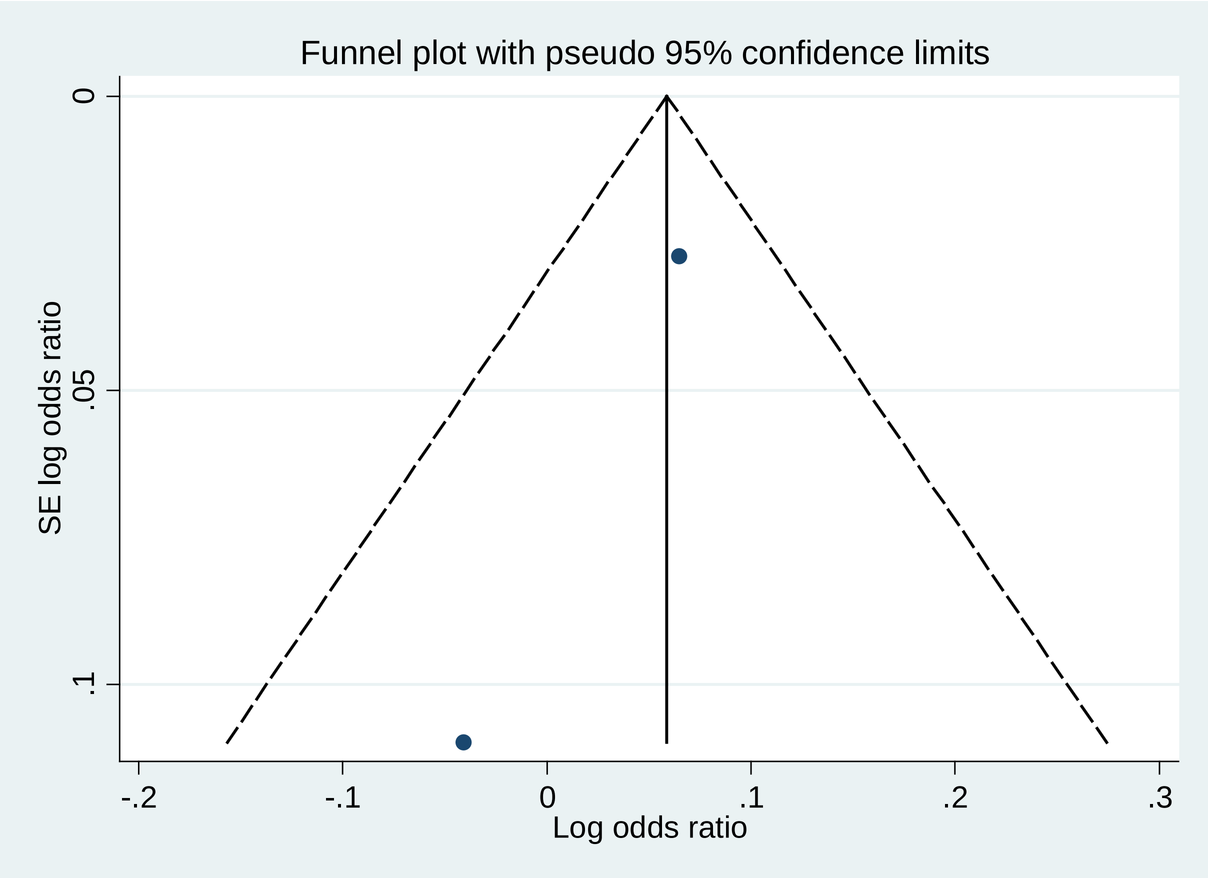
Test of ES=1 : z= 2.22 p = 0.026



Heterogeneity chi-squared = 0.87 (d.f. = 1) p = 0.351
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-1.7391378	.95899474	2



Test of H0: no small-study effects   P =   .

Meta-gregression: insufficient number of studies

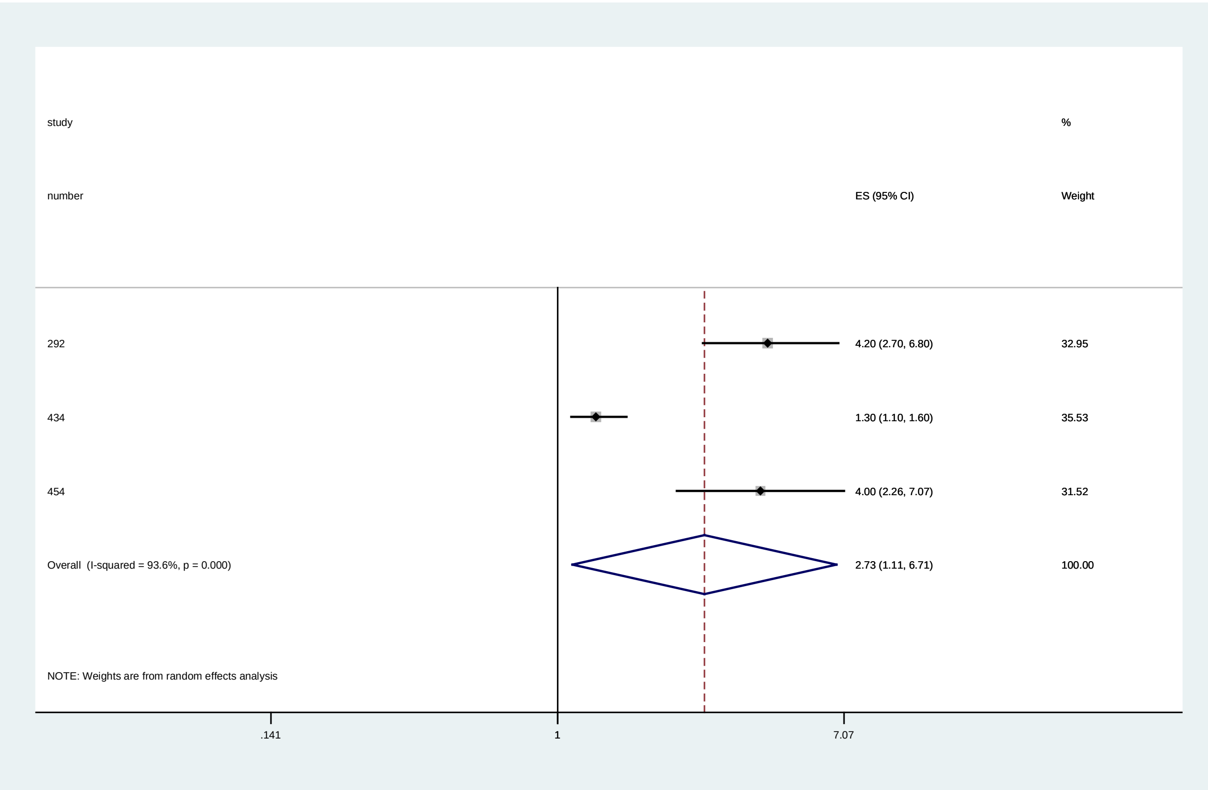
9.7.19 Meta-analysis: exposure 27

Exposure
Non-schizophrenia

	exp_cat	out_cat	pop_cat
1.	non-schizophrenia	frequent violent crime	general population
2.	non-schizophrenia	frequent violent crime	general population
3.	non-schizophrenia	violent crime	general population

Study	ES	[95% Conf.	Interval]	% Weight
292	4.200	2.700	6.800	32.95
434	1.300	1.100	1.600	35.53
454	4.000	2.260	7.070	31.52
D+L pooled ES	2.727	1.108	6.708	100.00

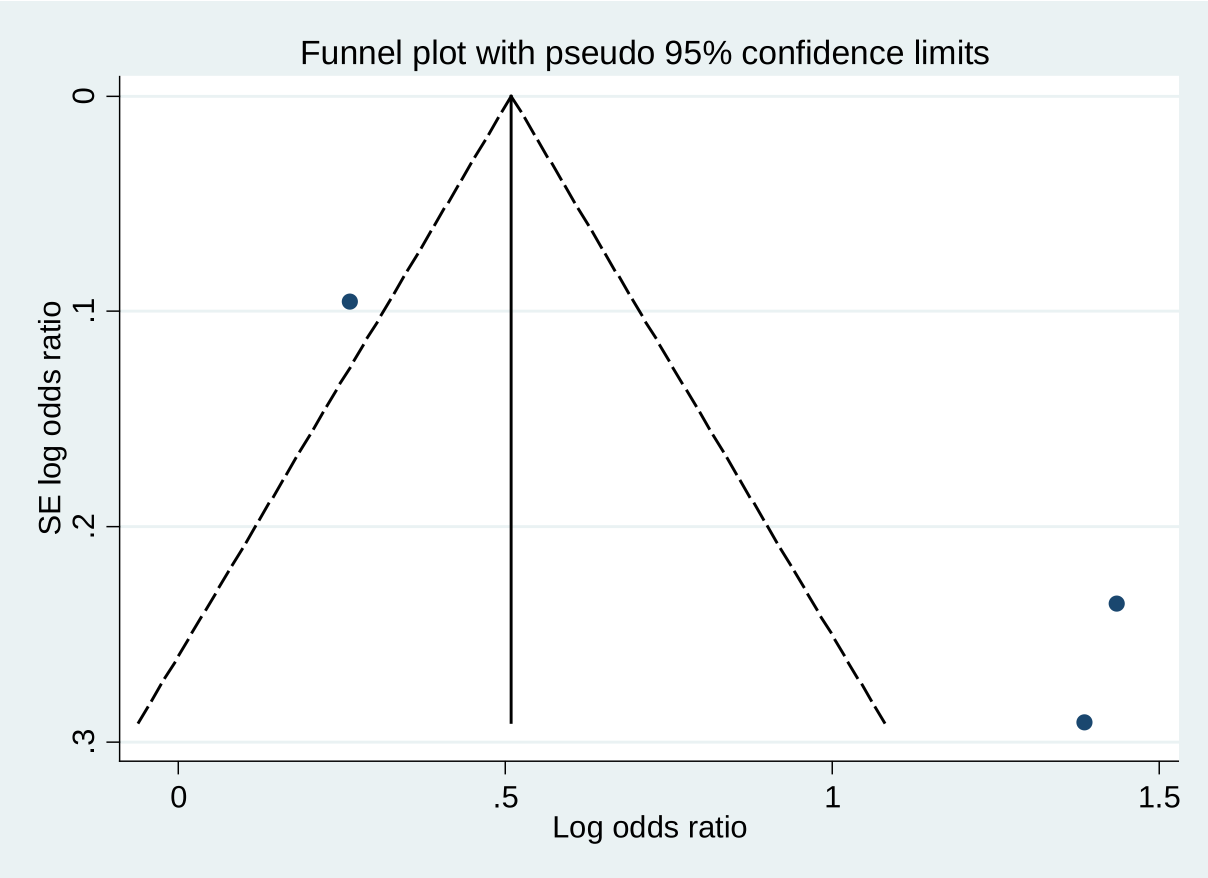
Test of ES=1 : z= 2.18 p = 0.029



Heterogeneity chi-squared = 31.20 (d.f. = 2) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 93.6%
Estimate of between-study variance Tau-squared = 0.5847

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	2.1254932	.01677274	5



Test of H0: no small-study effects   P = 0.133

Meta-regression   Number of obs =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.000017	.0000326	0.54	0.687	.9996035	1.000432
_cons	2.185026	1.398388	1.22	0.437	.0006425	7431.123

Meta-regression   Number of obs =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	3.168931	.6545649	5.58	0.113	.2296586	43.72631
_cons	1.3	.1242606	2.74	0.222	.3859069	4.379294

```
Meta-regression                                       Number of obs  =       3

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |   1.068254   .0127301     5.54   0.114     .9181532    1.242893
       _cons |   .0187157   .0152421    -4.89   0.129     6.00e-07    583.7928
------------------------------------------------------------------------------

. metareg ln_rr outcat*, wsse(se_rr) eform
insufficient observations


. metareg ln_rr popcat*, wsse(se_rr) eform
dropped because of collinearity

Meta-regression                                       Number of obs  =       3

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   .9963687   .0006496    -5.58   0.113     .9881489    1.004657
       _cons |   4.817474   1.004352     7.54   0.084     .3406997    68.11881
------------------------------------------------------------------------------
```

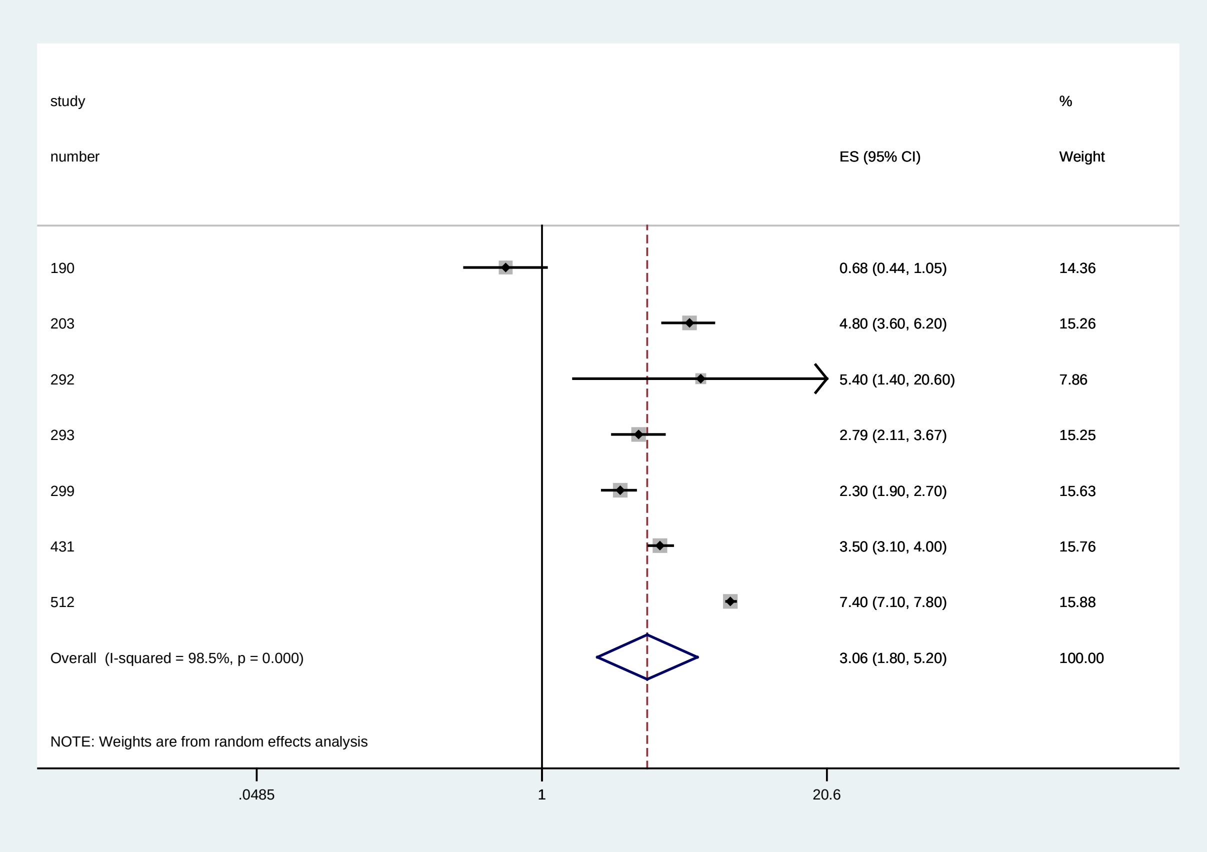
9.7.20 Meta-analysis: exposure 28

Exposure
Schizophrenia spectrum

	exp_cat	out_cat	pop_cat
1.	schizophrenia-spectrum	criminality	psychiatric patients
2.	schizophrenia-spectrum	property crime	psychiatric patients
3.	schizophrenia-spectrum	property crime	general population
4.	schizophrenia-spectrum	violent crime	psychiatric patients
5.	schizophrenia-spectrum	violent crime	psychiatric patients
6.	schizophrenia-spectrum	violent crime	psychiatric patients
7.	schizophrenia-spectrum	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
190	0.680	0.440	1.050	14.36
203	4.800	3.600	6.200	15.26
292	5.400	1.400	20.600	7.86
293	2.787	2.112	3.665	15.25
299	2.300	1.900	2.700	15.63
431	3.500	3.100	4.000	15.76
512	7.400	7.100	7.800	15.88
D+L pooled ES	3.060	1.801	5.197	100.00

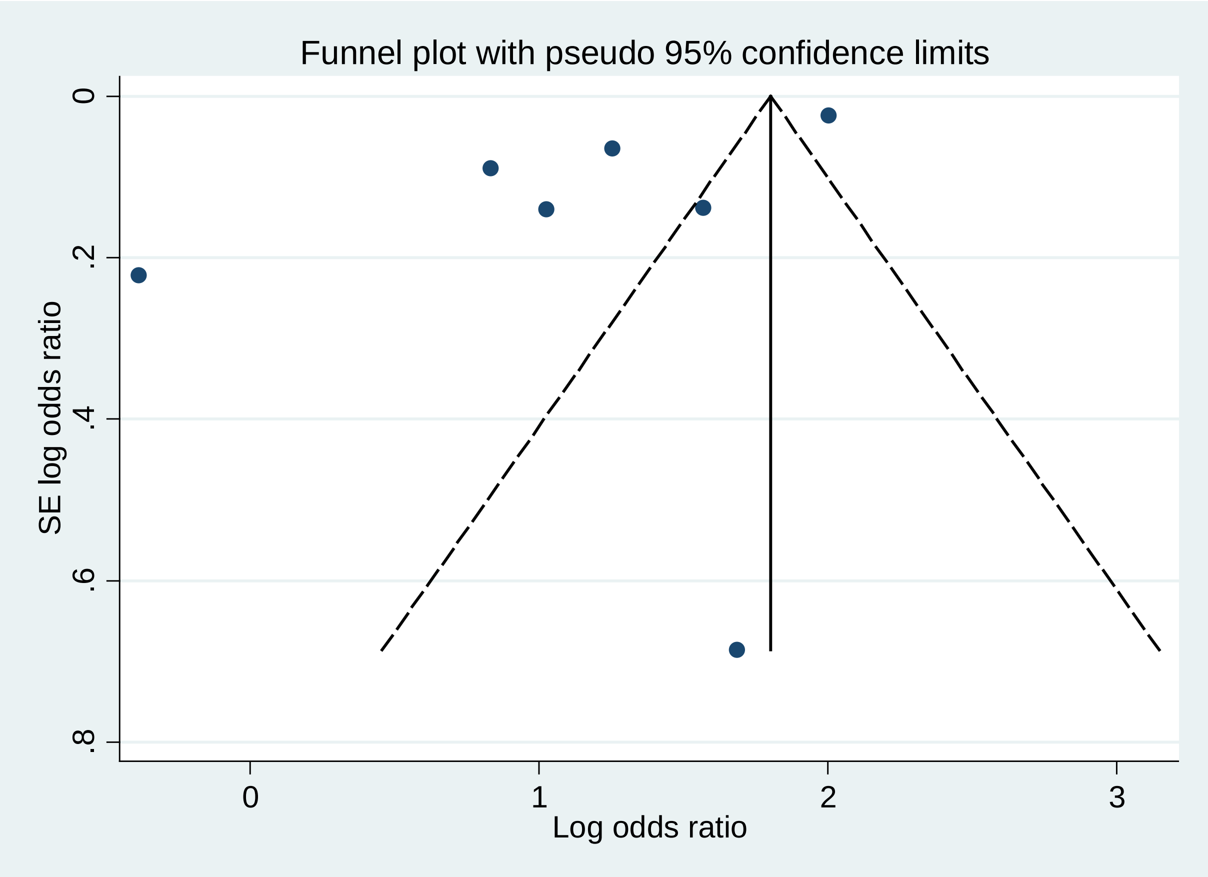
Test of ES=1 : z= 4.14 p = 0.000



Heterogeneity chi-squared = 387.97 (d.f. = 6) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 98.5%
Estimate of between-study variance Tau-squared = 0.4596

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	2.590141	.00479683	7



Test of H0: no small-study effects P = 0.044

Meta-regression Number of obs = 7

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.00005	.0000311	1.62	0.167	.9999704	1.00013
_cons	2.034441	.7390354	1.96	0.108	.7996558	5.175915

Meta-regression Number of obs = 7

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.683373	1.046239	0.84	0.440	.3406661	8.318242
_cons	2.30186	1.060336	1.81	0.130	.7044039	7.522045

Meta-regression Number of obs = 7

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	1.027983	.0509884	0.56	0.602	.904925	1.167776
_cons	.385781	1.442441	-0.25	0.809	.0000258	5761.551

```
Meta-regression                                   Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     outcat1 |   .7248617   .8432437    -0.28   0.796      .028677    18.32215
     outcat3 |   .3929523   .4585501    -0.80   0.468     .0153906    10.03287
       _cons |        5.4   5.749449     1.58   0.188     .2809109    103.8052
------------------------------------------------------------------------------

Meta-regression                                   Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     popcat2 |    .537103   .5937149    -0.56   0.598     .0313327     9.20698
       _cons |        5.4   5.698839     1.60   0.171     .3582801    81.38885
------------------------------------------------------------------------------

Meta-regression                                   Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   1.000123   .0021809     0.06   0.957     .9945323    1.005744
       _cons |    2.97817   1.831689     1.77   0.136     .6128117    14.47345
------------------------------------------------------------------------------
```

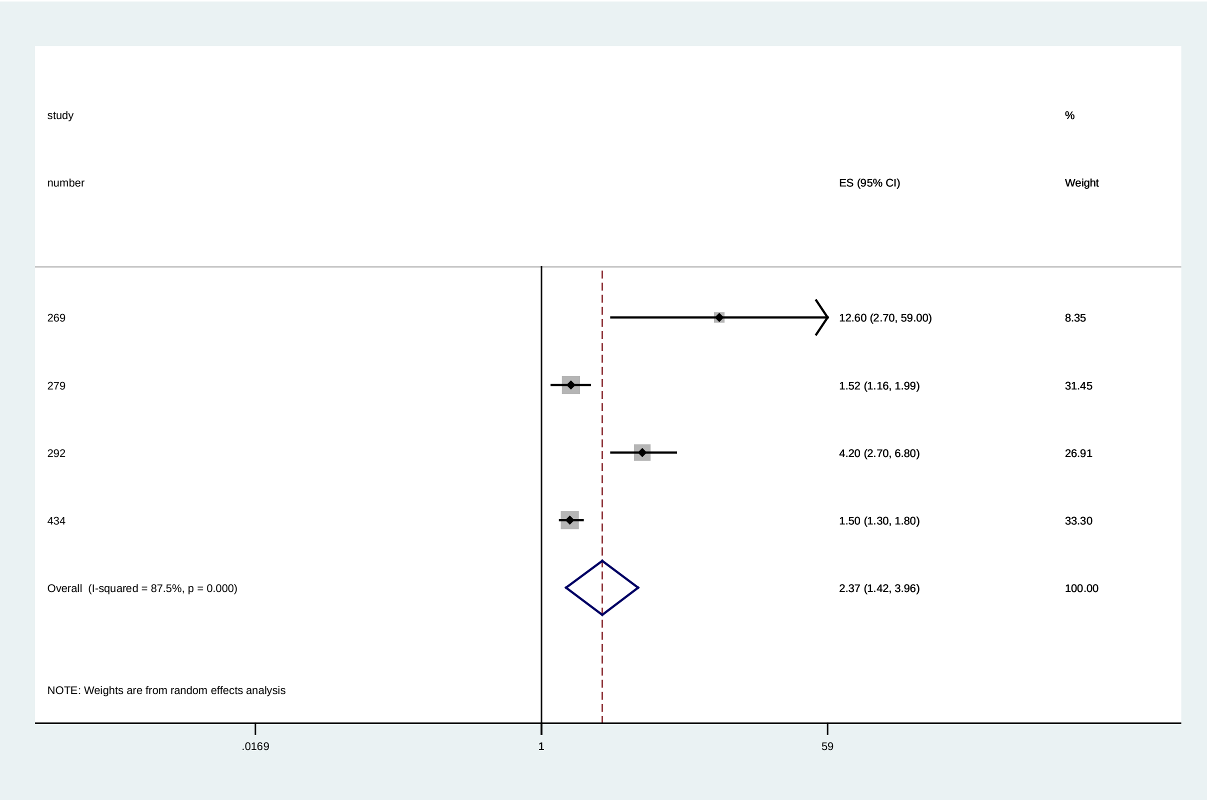
9.7.21 Meta-analysis: exposure 30

Exposure
Depression

	exp_cat	out_cat	pop_cat
1.	depression	violent crime	general population
2.	depression	delinquency	general population
3.	depression	frequent violent crime	general population
4.	depression	frequent violent crime	general population

Study	ES	[95% Conf.	Interval]	% Weight
269	12.600	2.700	59.000	8.35
279	1.520	1.160	1.990	31.45
292	4.200	2.700	6.800	26.91
434	1.500	1.300	1.800	33.30
D+L pooled ES	2.373	1.423	3.960	100.00

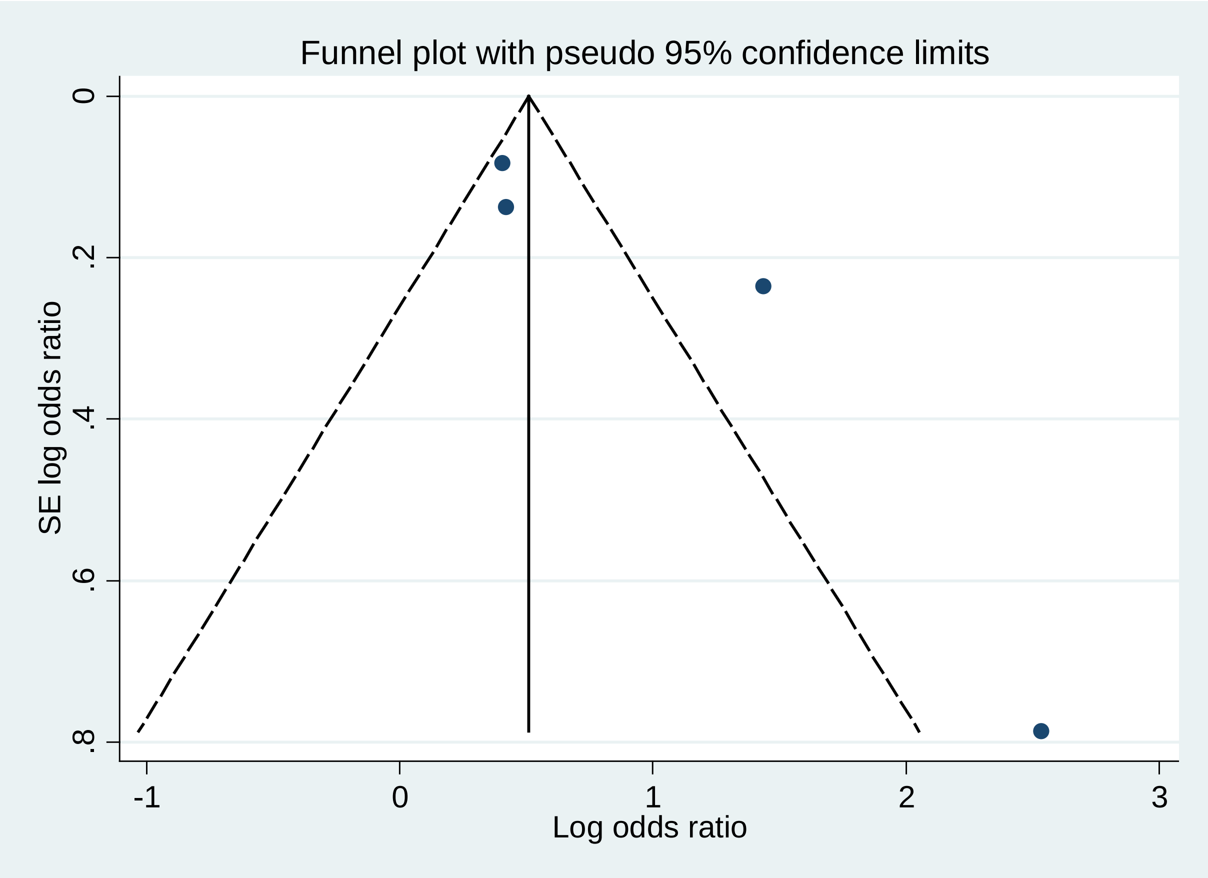
Test of ES=1 : z= 3.31 p = 0.001



Heterogeneity chi-squared = 24.05 (d.f. = 3) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 87.5%
Estimate of between-study variance Tau-squared = 0.1979

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	2.3868673	.00849631	7



Test of H0: no small-study effects   P = 0.135

Meta-regression   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	.9997389	.0008709	-0.30	0.793	.9959987	1.003493
_cons	5.03211	9.743015	0.83	0.492	.0012128	20879.07

Meta-regression   Number of obs =   4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	2.742533	1.283828	2.16	0.164	.3659471	20.55348
_cons	1.531431	.2063049	3.16	0.087	.8577659	2.734174

```
Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |   .9760892   .0476333    -0.50   0.669     .7912262    1.204144
       _cons |    17.4398   64.16789     0.78   0.518     2.32e-06    1.31e+08
------------------------------------------------------------------------------

metareg ln_rr outcat*, wsse(se_rr) eform
insufficient observations


metareg ln_rr popcat*, wsse(se_rr) eform
popcat1 dropped because of collinearity

Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |      .9959   .0027442    -1.49   0.274     .9841624    1.007778
       _cons |   5.395259   3.316982     2.74   0.111     .3829955    76.00303
------------------------------------------------------------------------------
```

9.7.22 Meta-analysis: exposure 32

Exposure
Bipolar disorder

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2

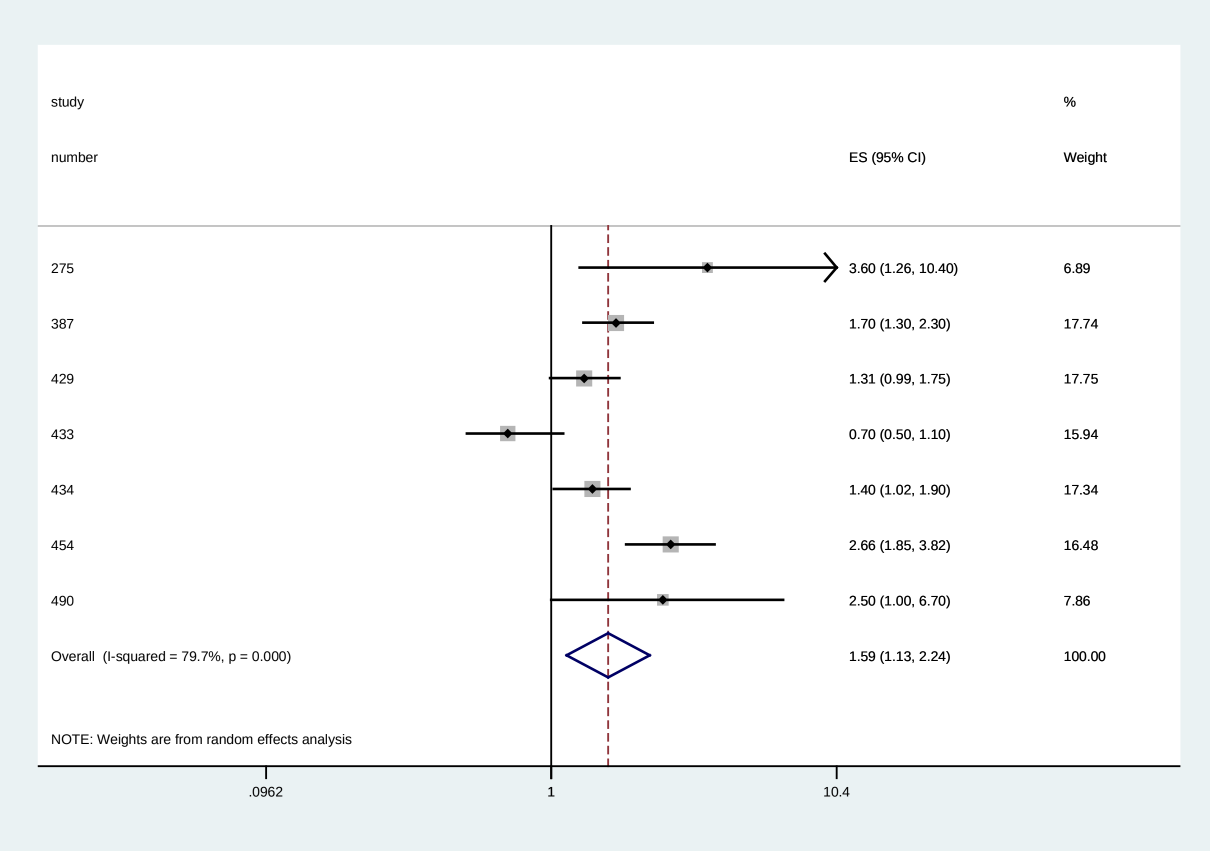
9.7.23 Meta-analysis: exposure 34

Exposure
Childhood adversity

	exp_cat	out_cat	pop_cat
1.	CA	arrests	psychiatric patients
2.	CA	criminality	general population
3.	CA	violent crime	general population
4.	CA	property crime	general population
5.	CA	frequent violent crime	general population
6.	CA	violent crime	general population
7.	CA	adult onset criminality	general population

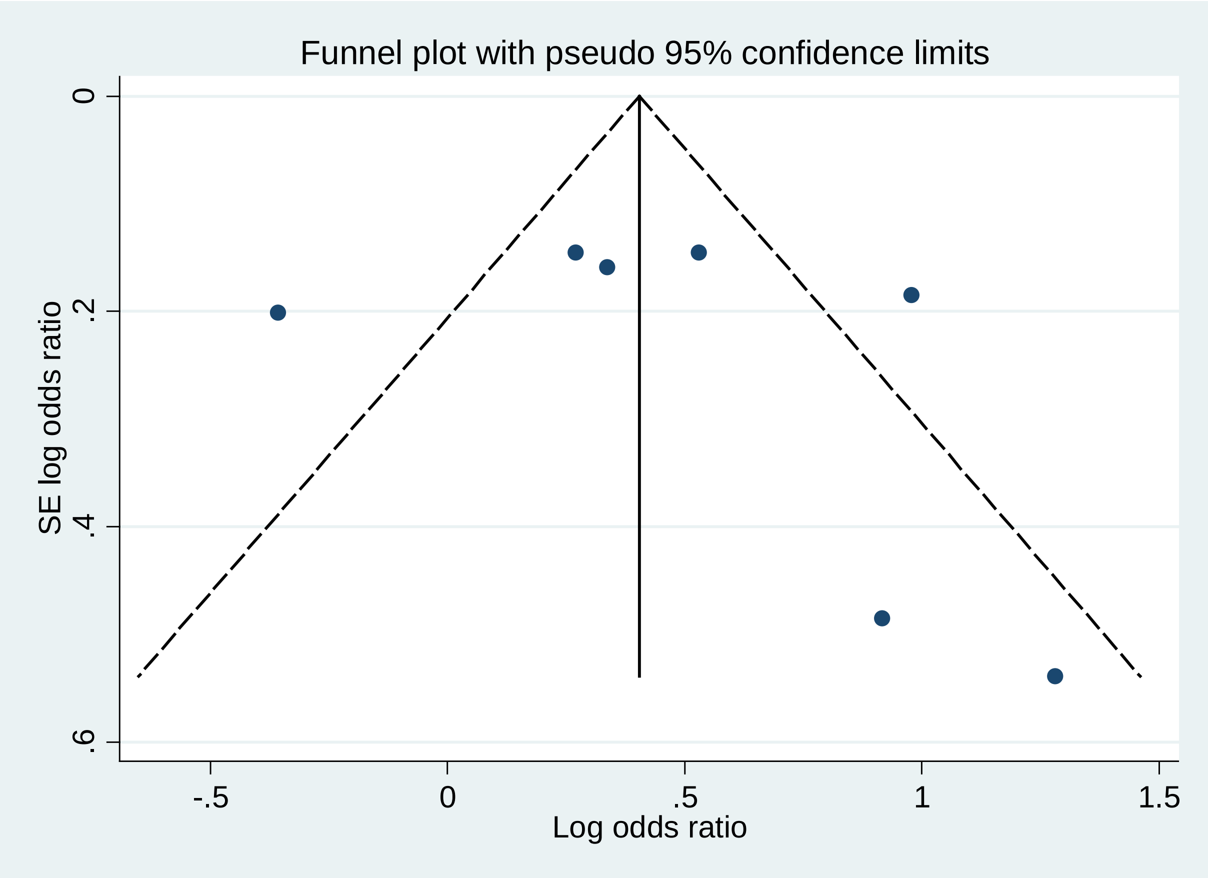
Study	ES	[95% Conf.	Interval]	% Weight
275	3.600	1.260	10.400	6.89
387	1.700	1.300	2.300	17.74
429	1.310	0.990	1.750	17.75
433	0.700	0.500	1.100	15.94
434	1.400	1.020	1.900	17.34
454	2.660	1.850	3.820	16.48
490	2.500	1.000	6.700	7.86
D+L pooled ES	1.592	1.132	2.239	100.00

Test of ES=1 : z= 2.67 p = 0.007



Heterogeneity chi-squared = 29.50 (d.f. = 6) p = 0.000
I-squared (variation in ES attributable to heterogeneity) = 79.7%
Estimate of between-study variance Tau-squared = 0.1493
Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	1.4548303	.07285813	9



Test of H0: no small-study effects   P = 0.542

Meta-regression   Number of obs =   7

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.000016	.000016	0.97	0.374	.9999745	1.000057
_cons	1.363958	.3448097	1.23	0.274	.7121584	2.612313

Meta-regression   Number of obs =   7

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	.780851	.3728747	-0.52	0.627	.2288052	2.664836
_cons	1.946203	.7986148	1.62	0.166	.6777712	5.588472

Meta-regression   Number of obs =   7

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9816611	.0208637	-0.87	0.424	.929468	1.036785
_cons	6.504892	10.4821	1.16	0.298	.1033404	409.4588

```
metareg ln_rr outcat*, wsse(se_rr) eform
insufficient observations

Meta-regression                                       Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     popcat1 |   .4174971   .2979332    -1.22   0.275     .0666774    2.614138
       _cons |        3.6   2.472067     1.87   0.121      .616161    21.03346
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       7

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   .9997061   .0015616    -0.19   0.858     .9956998    1.003728
       _cons |   1.744579   .7586345     1.28   0.257     .5704608    5.335258
------------------------------------------------------------------------------
```

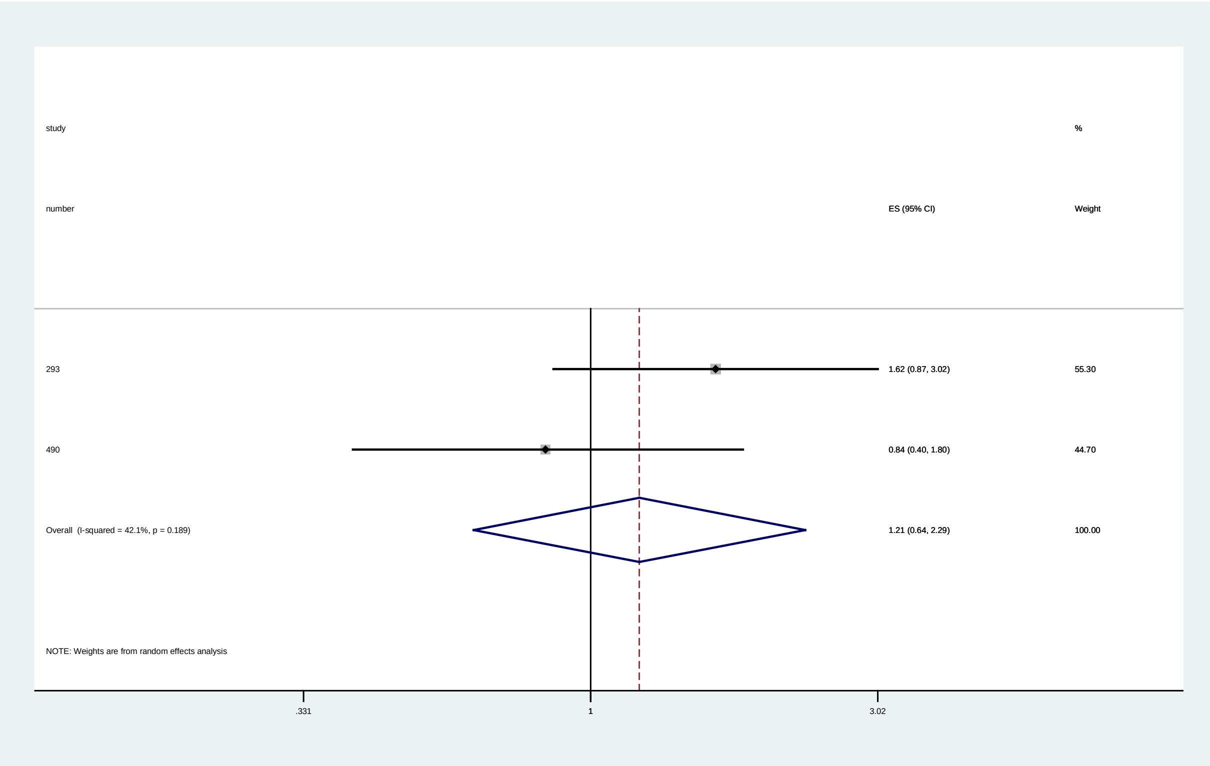
9.7.24 Meta-analysis: exposure 36

Exposure
Iq-related

	exp_cat	out_cat	pop_cat
1.	IQ-related	criminality	psychiatric patients
2.	IQ-related	adult onset criminality	general population

Study	ES	[95% Conf. Interval]		% Weight
293	1.618	0.866	3.023	55.30
490	0.840	0.400	1.800	44.70
D+L pooled ES	1.207	0.637	2.286	100.00

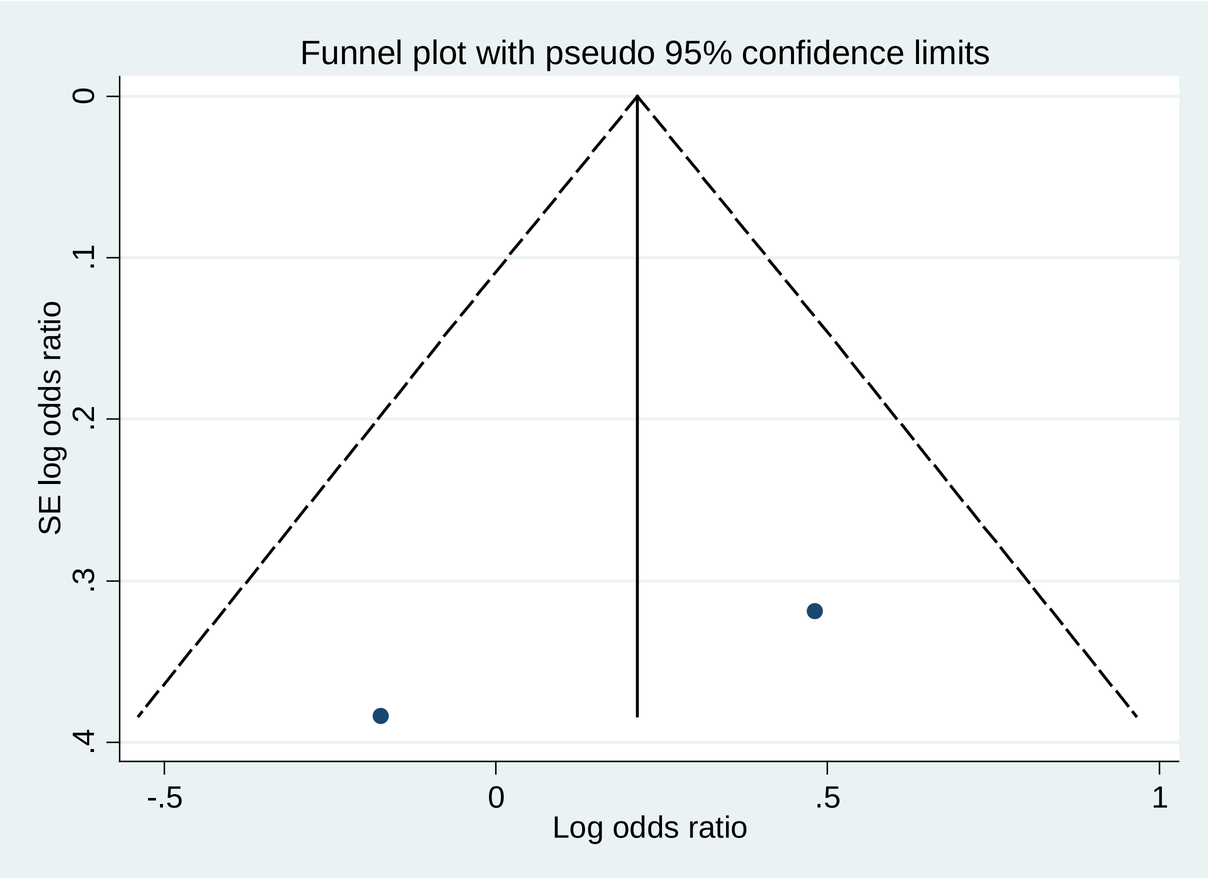
Test of ES=1 : z= 0.58 p = 0.564



Heterogeneity chi-squared = 1.73 (d.f. = 1) p = 0.189
I-squared (variation in ES attributable to heterogeneity) = 42.1%
Estimate of between-study variance Tau-squared = 0.0904

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-1.12	.86864313	3



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient studies

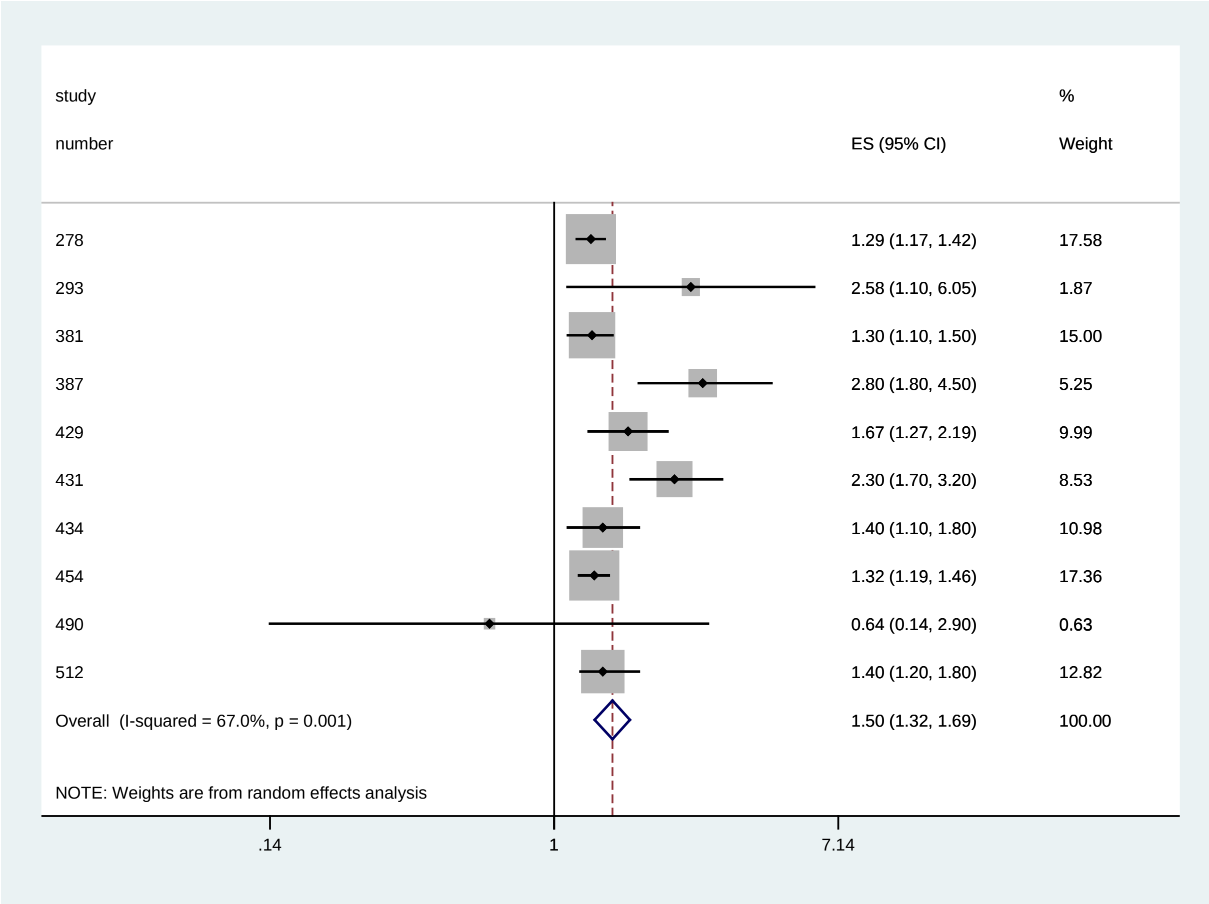
9.7.25 Meta-analysis: exposure 38

Exposure
Parental (mental) factors

	exp_cat	out_cat	pop_cat
1.	parental (mental) factors	violent crime	general population
2.	parental (mental) factors	violent crime	psychiatric patients
3.	parental (mental) factors	delinquency	psychiatric patients
4.	parental (mental) factors	criminality	general population
5.	parental (mental) factors	non-violent crime	general population
6.	parental (mental) factors	violent crime	psychiatric patients
7.	parental (mental) factors	frequent violent crime	general population
8.	parental (mental) factors	violent crime	general population
9.	parental (mental) factors	adult onset criminality	general population
10.	parental (mental) factors	violent crime	psychiatric patients

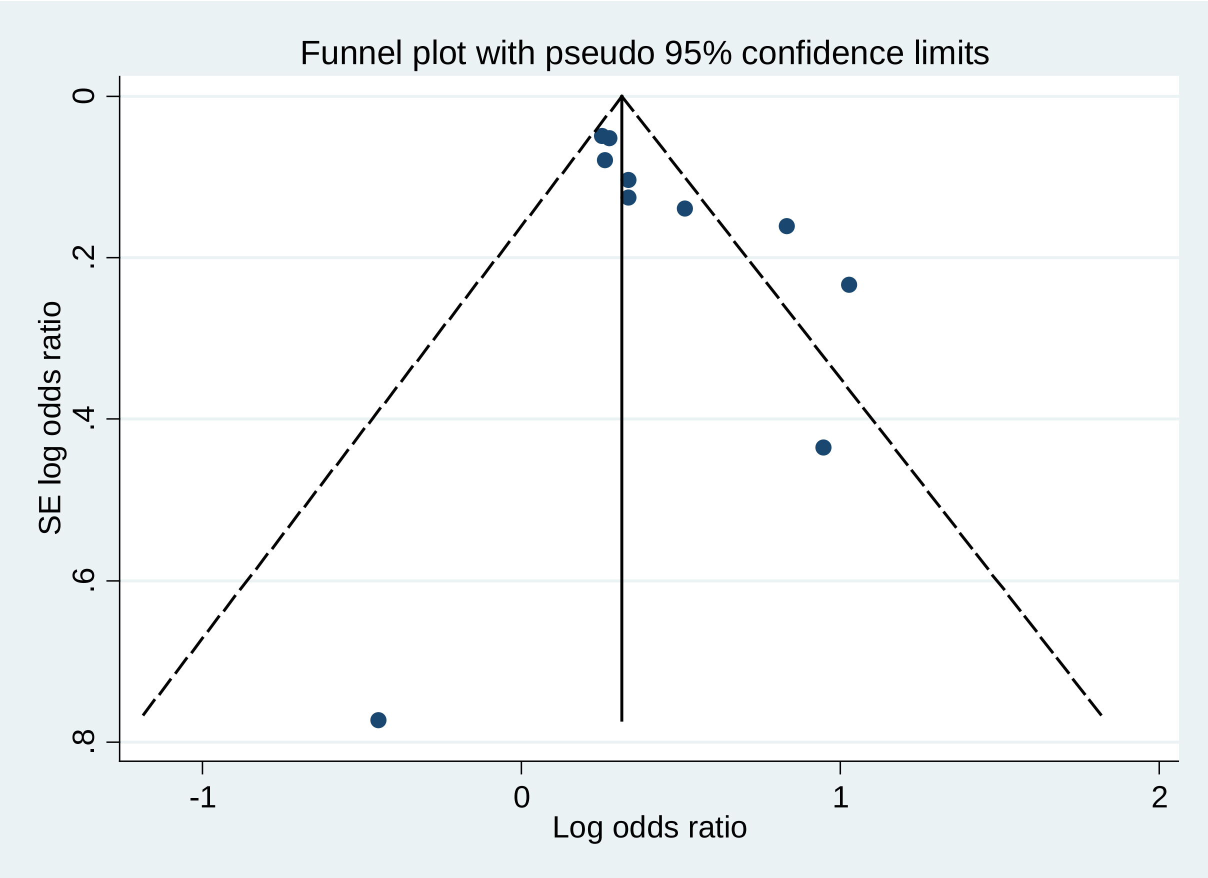
Study	ES	[95% Conf.	Interval]	% Weight
278	1.290	1.170	1.420	17.58
293	2.579	1.099	6.055	1.87
381	1.300	1.100	1.500	15.00
387	2.800	1.800	4.500	5.25
429	1.670	1.270	2.190	9.99
431	2.300	1.700	3.200	8.53
434	1.400	1.100	1.800	10.98
454	1.320	1.190	1.460	17.36
490	0.640	0.140	2.900	0.63
512	1.400	1.200	1.800	12.82
D+L pooled ES	1.497	1.324	1.692	100.00

Test of ES=1 : z= 6.46 p = 0.000



Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	3.13402	.00086215	12




```
Test of H0: no small-study effects          P = 0.053


Meta-regression                                       Number of obs  =      10

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           n |   .9999995   6.47e-07    -0.83   0.431      .999998    1.000001
       _cons |   1.604713   .1656552     4.58   0.002     1.264776    2.036015
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =      10

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    adjusted |   .8934763    .199035    -0.51   0.627      .534549    1.493408
       _cons |   1.678031   .3291342     2.64   0.030     1.067494    2.637754
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =      10

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |   1.001215   .0142664     0.09   0.934     .9688514     1.03466
       _cons |   1.416523   1.491331     0.33   0.749     .1249827    16.05453
------------------------------------------------------------------------------
```

Meta-regression Number of obs = 10

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
outcat1	1.175311	.3256073	0.58	0.591	.5446287	2.536328
outcat2	1.076923	.3939017	0.20	0.849	.3900732	2.973194
outcat3	2.153846	.9082496	1.82	0.143	.6679538	6.945172
outcat4	1.284615	.4768578	0.67	0.537	.4583255	3.600578
outcat5	.4923077	.4385123	-0.80	0.471	.0415147	5.838104
_cons	1.3	.3223786	1.06	0.350	.6530194	2.587978

Meta-regression Number of obs = 10

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
popcat1	.9192658	.1807841	-0.43	0.680	.5841006	1.446753
_cons	1.630078	.2491204	3.20	0.013	1.14592	2.318797

Meta-regression Number of obs = 10

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
fu	1.000628	.0006731	0.93	0.378	.9990767	1.002181
_cons	1.311978	.255663	1.39	0.201	.8370837	2.056289

9.7.26 Meta-analysis: exposure 39

Exposure
Unemployment

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	1.1264558	.12998631	4

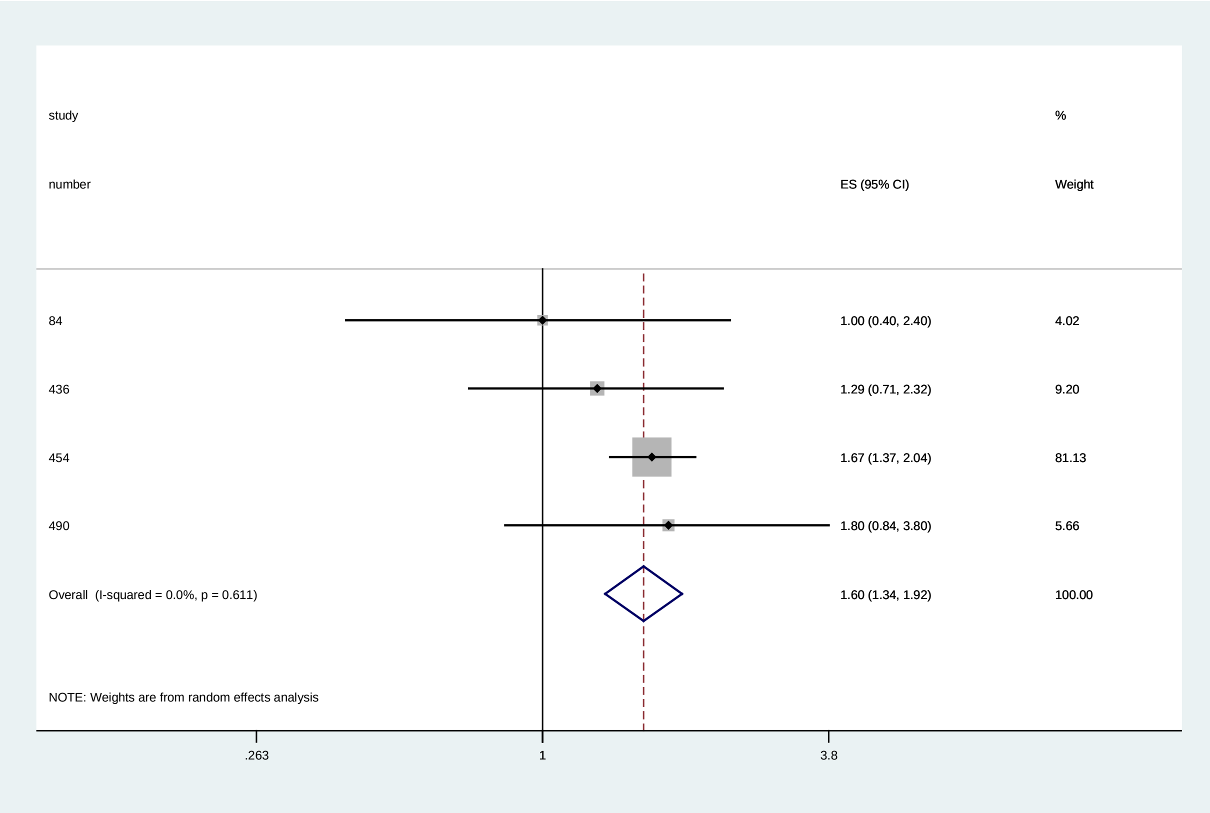
9.7.27 Meta-analysis: exposure 40

Exposure
Unmarried marital status

	exp_cat	out_cat	pop_cat
1.	marital status	homicide	psychiatric patients
2.	marital status	criminality	psychiatric patients
3.	marital status	drug related crime	general population
4.	marital status	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
84	1.000	0.400	2.400	4.02
436	1.290	0.710	2.320	9.20
454	1.667	1.370	2.041	81.13
490	1.800	0.840	3.800	5.66
D+L pooled ES	1.602	1.339	1.917	100.00

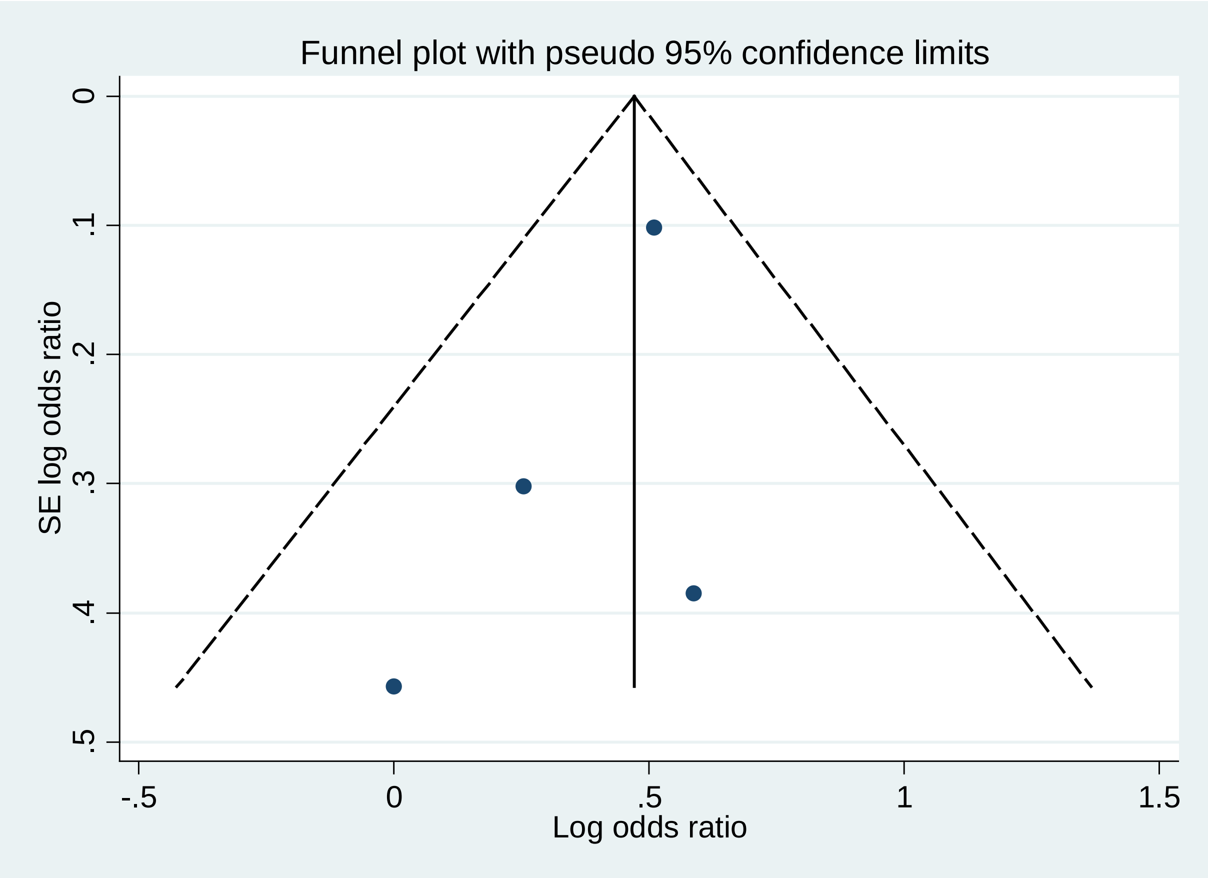
Test of ES=1 : z= 5.14 p = 0.000



Heterogeneity chi-squared = 1.82 (d.f. = 3) p = 0.611
I-squared (variation in ES attributable to heterogeneity) = 0.0%
Estimate of between-study variance Tau-squared = 0.0000

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-2.3702659	.99111235	5



Test of H0: no small-study effects P = 0.316

Meta-regression Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.000006	6.95e-06	0.90	0.464	.9999763	1.000036
_cons	1.34286	.2912097	1.36	0.307	.5282098	3.413935

Meta-regression Number of obs = 4

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
adjusted	1.110905	.2861167	0.41	0.723	.3667831	3.364687
_cons	1.464564	.3480598	1.61	0.250	.5267725	4.071865

```
Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     quality |   1.011553   .0138324     0.84   0.489     .9537543    1.072855
       _cons |   .6713164   .6976804    -0.38   0.738     .0076723    58.73947
------------------------------------------------------------------------------

metareg ln_rr outcat*, wsse(se_rr) eform
insufficient observations


Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     popcat1 |   1.402987   .3795125     1.25   0.337     .4381129    4.492841
       _cons |   1.193918   .3008693     0.70   0.555     .4037197     3.53077
------------------------------------------------------------------------------

Meta-regression                                       Number of obs  =       4

------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   1.000297   .0009254     0.32   0.778     .9963237    1.004287
       _cons |   1.539783   .2042636     3.25   0.083     .8701088    2.724868
------------------------------------------------------------------------------
```

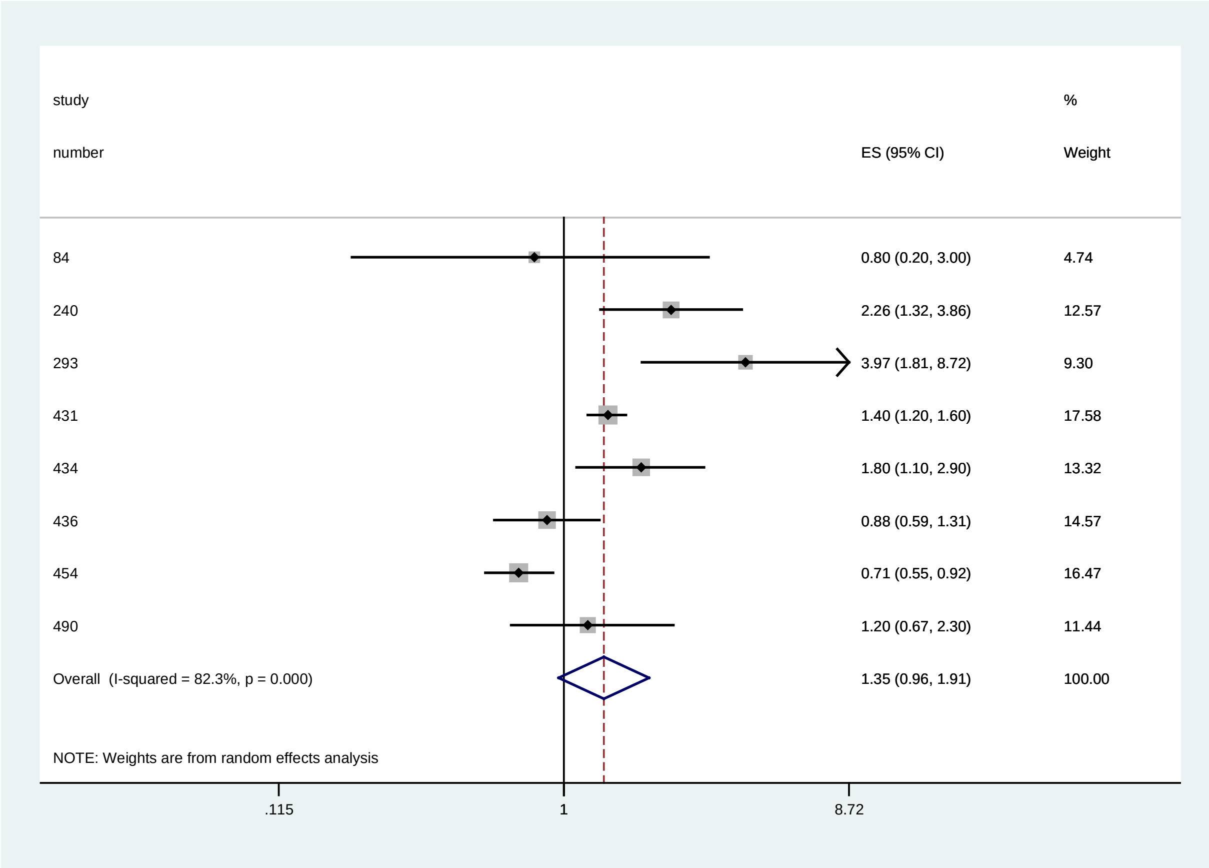
9.7.28 Meta-analysis: exposure 41

Exposure
Educational adversity

	exp_cat	out_cat	pop_cat
1.	educational adversity	homicide	psychiatric patients
2.	educational adversity	violent crime	general population
3.	educational adversity	criminality	psychiatric patients
4.	educational adversity	violent crime	psychiatric patients
5.	educational adversity	frequent violent crime	general population
6.	educational adversity	criminality	psychiatric patients
7.	educational adversity	drug related crime	general population
8.	educational adversity	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
84	0.800	0.200	3.000	4.74
240	2.260	1.320	3.860	12.57
293	3.972	1.810	8.715	9.30
431	1.400	1.200	1.600	17.58
434	1.800	1.100	2.900	13.32
436	0.880	0.590	1.310	14.57
454	0.710	0.550	0.920	16.47
490	1.200	0.670	2.300	11.44
D+L pooled ES	1.355	0.961	1.909	100.00

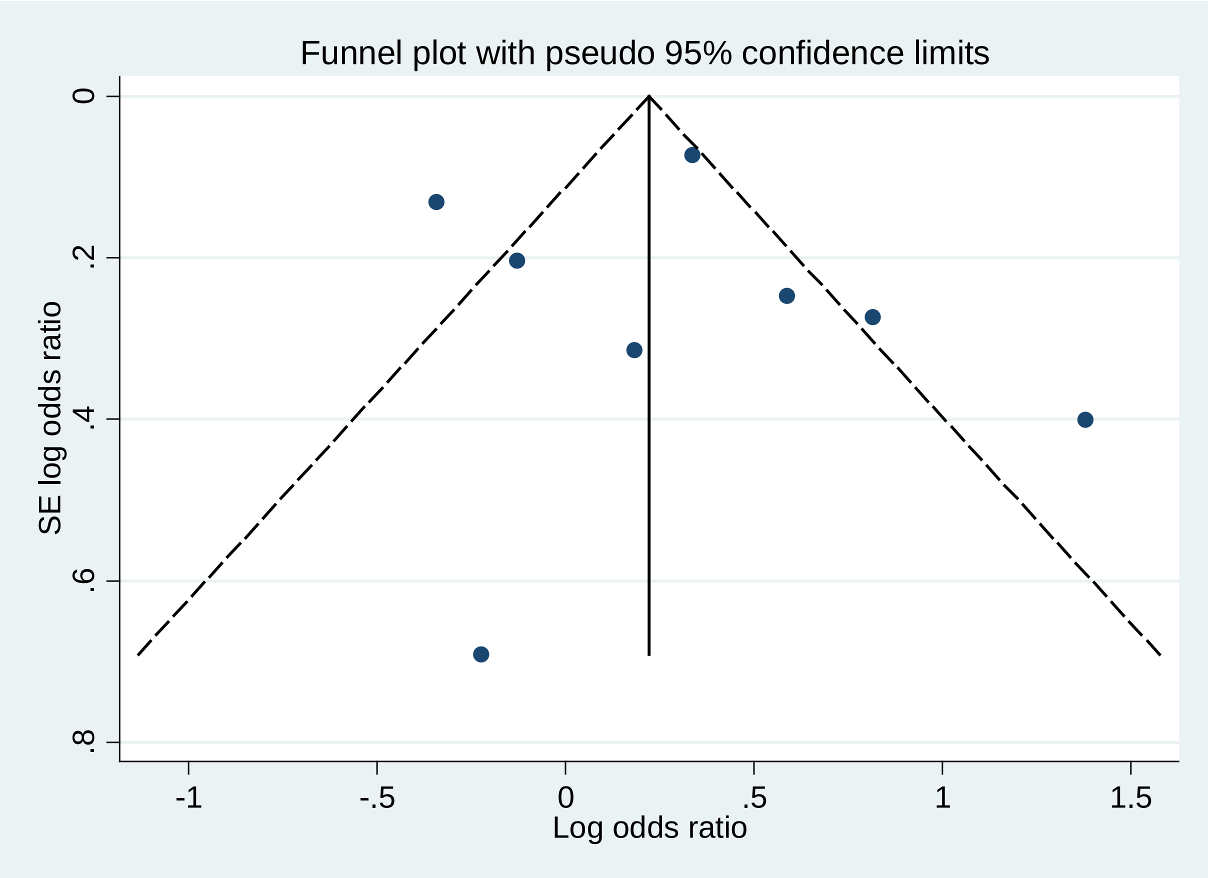
Test of ES=1 : z= 1.73 p = 0.083




```
Heterogeneity chi-squared =  39.54 (d.f. = 7) p = 0.000
I-squared (variation in ES attributable to heterogeneity) =  82.3%
Estimate of between-study variance Tau-squared =  0.1690

Meta-analysis of Bonferroni-corrected p_values

--------------------------------------------------------------
 Method                 |   Z             p_value      studies
----------------------+---------------------------------------
 Edgington, Normal      |   -.09364622    .53730491    9
--------------------------------------------------------------
```




```
Test of H0: no small-study effects          P = 0.761


Meta-regression: sample size (n)                     Number of obs  =       8

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
            n |    .9999824    .0000159    -1.11   0.310     .9999434    1.000021
        _cons |    1.639358    .4176257     1.94   0.100     .8789345    3.057674
------------------------------------------------------------------------------

Meta-regression: statistical adjustment              Number of obs  =       8

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     adjusted |    .8919547    .4062657    -0.25   0.810     .2926276    2.718756
        _cons |    1.421459    .3633711     1.38   0.218     .7604643    2.656991
------------------------------------------------------------------------------


Meta-regression: quality rating                      Number of obs  =       8

------------------------------------------------------------------------------
        ln_rr |      exp(b)   Std. Err.       t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      quality |    .9927839    .0275356    -0.26   0.803     .9276422      1.0625
        _cons |     2.26837    4.389275     0.42   0.687     .0199268    258.2203
------------------------------------------------------------------------------
```

Meta-regression: crime outcome categories Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
outcat1	1.459786	1.394266	0.40	0.730	.023963	88.92787
outcat2	.5916666	.6409281	-0.48	0.676	.005596	62.5568
outcat3	1.5	1.656344	0.37	0.749	.0129631	173.5702
outcat4	1.44636	1.403895	0.38	0.740	.0222085	94.19617
outcat5	.6666667	.8573351	-0.32	0.782	.0026355	168.6386
_cons	1.2	.9520314	0.23	0.840	.0395089	36.44746

Meta-regression: population categories Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
popcat1	.9327942	.3974496	-0.16	0.876	.3288469	2.645928
_cons	1.42447	.4441543	1.13	0.300	.6642114	3.054924

Meta-regression: length of follow-up (fu) Number of obs = 8

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf. Interval]	
fu	1.001446	.0010053	1.44	0.200	.9989888	1.003909
_cons	.9607103	.2886713	-0.13	0.898	.460555	2.004026

9.7.29 Meta-analysis: exposure 47

Exposure
Hostility

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-2.9400001	.99835894	3

9.7.30 Meta-analysis: exposure 50

Exposure
Insight

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

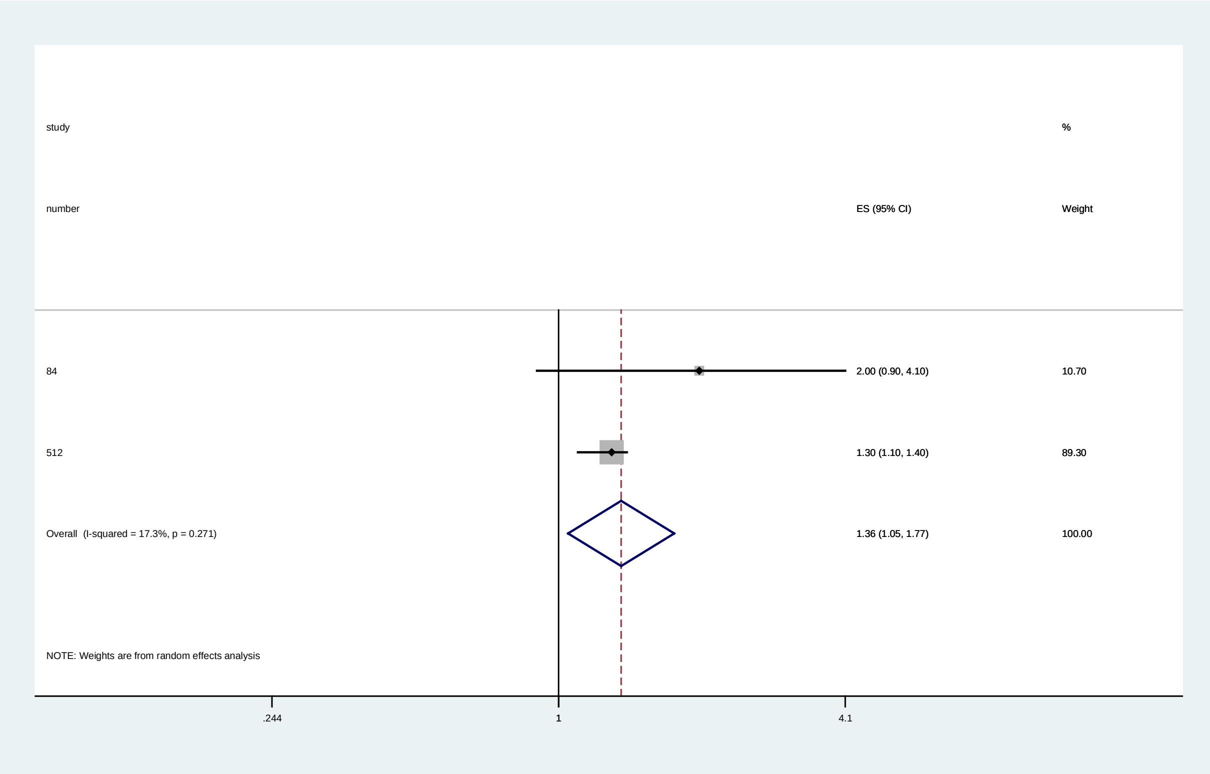
Method	Z	p_value	studies
Edgington, Normal	.01641156	.49345303	2

9.7.31 Meta-analysis: exposure 51

Exposure
DSH/Suicidality

```
     +-----------------------------------------------------------+
     |         exp_cat            out_cat                pop_cat |
     |-----------------------------------------------------------|
  1. | DSH/suicidality           homicide   psychiatric patients |
  2. | DSH/suicidality      violent crime   psychiatric patients |
     +-----------------------------------------------------------+
```

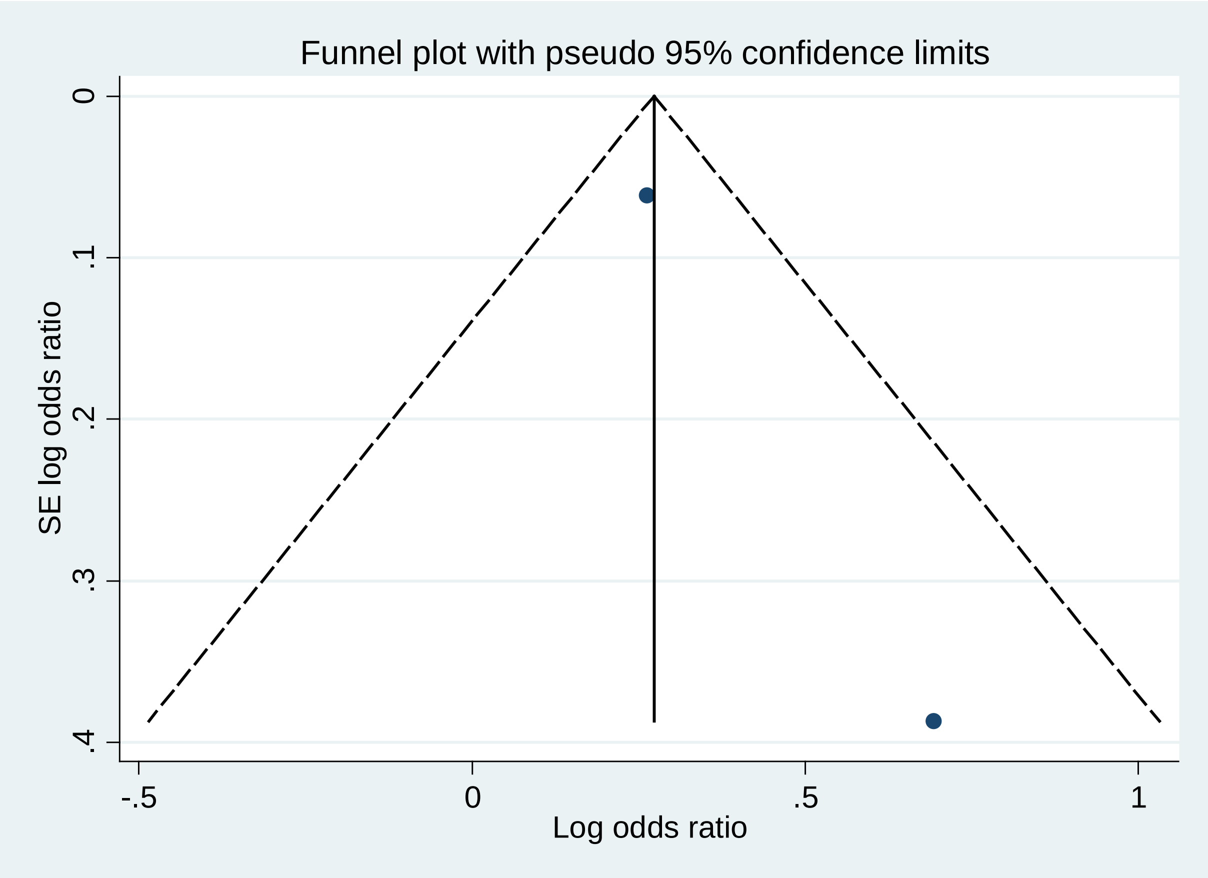
```
           Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
84                   |  2.000       0.900     4.100          10.70
512                  |  1.300       1.100     1.400          89.30
---------------------+---------------------------------------------------
D+L pooled ES        |  1.361       1.049     1.767         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   2.32 p = 0.021
```




```
Heterogeneity chi-squared =   1.21 (d.f. = 1) p = 0.271
I-squared (variation in ES attributable to heterogeneity) =  17.3%
Estimate of between-study variance Tau-squared =  0.0161
```

```
Meta-analysis of Bonferroni-corrected p_values

---------------------------------------------------------------
 Method                |   Z            p_value      studies
----------------------+----------------------------------------
 Edgington, Normal     |   .00293936    .49882736    2
---------------------------------------------------------------
```




```
Test of H0: no small-study effects          P =     .


Meta-regression: Insufficient observations
```

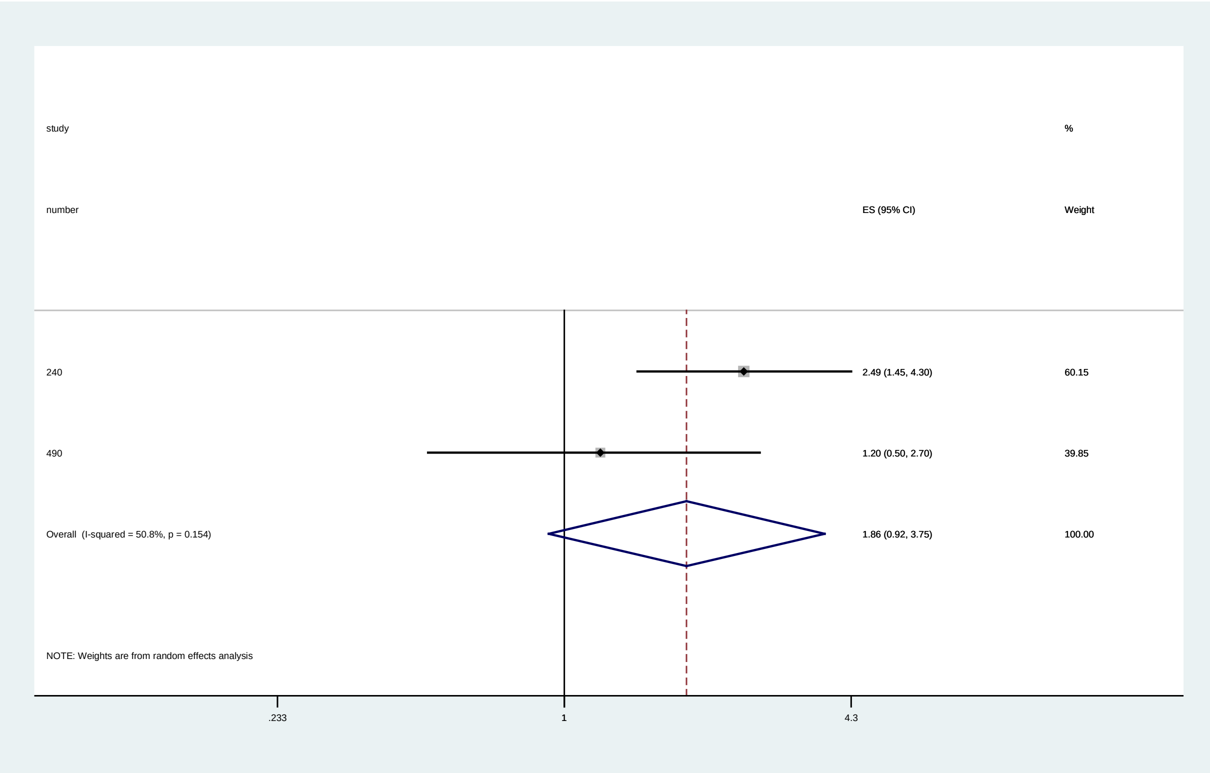
9.7.32 Meta-analysis: exposure 58

Exposure
Delinquent peers

	exp_cat	out_cat	pop_cat
1.	delinquent peers	violent crime	general population
2.	delinquent peers	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
240	2.490	1.450	4.300	60.15
490	1.200	0.500	2.700	39.85
D+L pooled ES	1.862	0.924	3.750	100.00

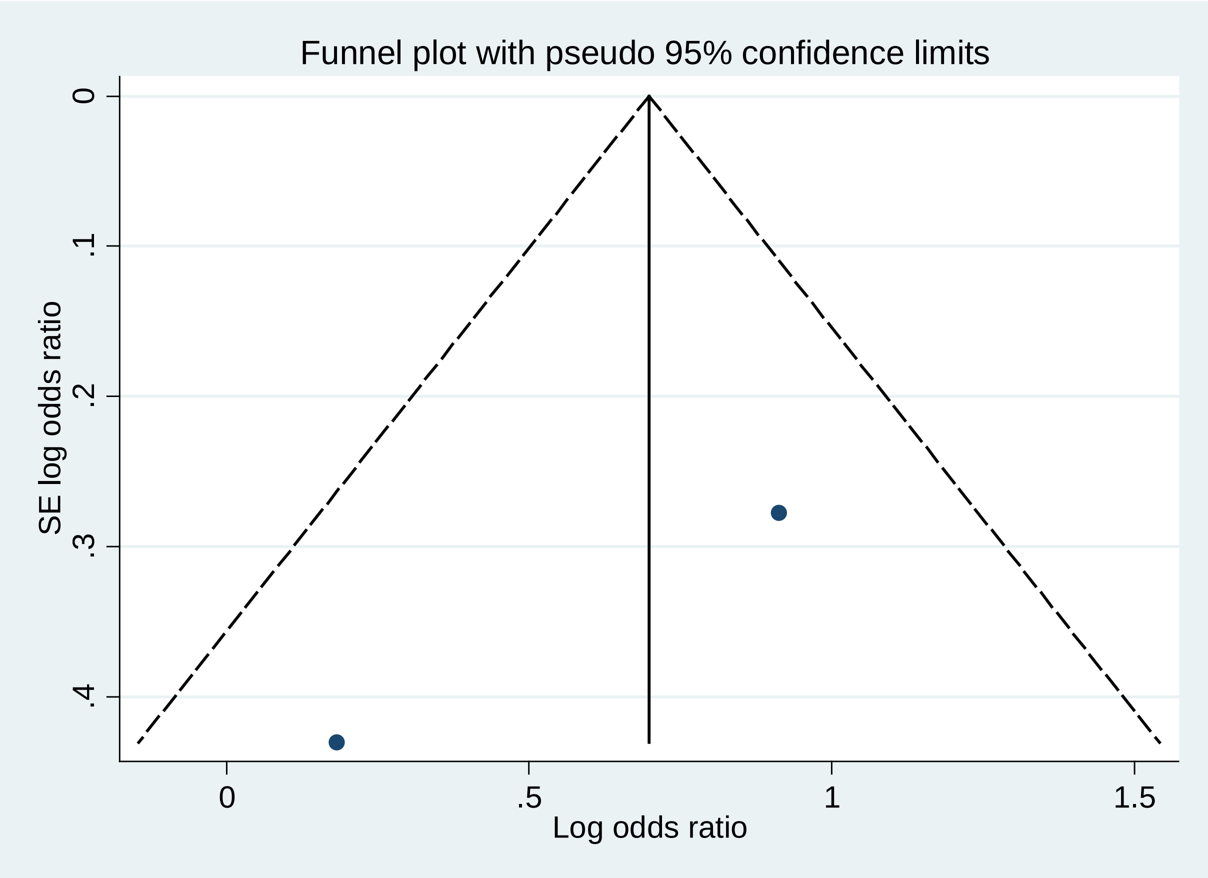
Test of ES=1 : z= 1.74 p = 0.082



Heterogeneity chi-squared = 2.03 (d.f. = 1) p = 0.154
I-squared (variation in ES attributable to heterogeneity) = 50.8%
Estimate of between-study variance Tau-squared = 0.1354

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	.62246436	.26681829	4



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient observations

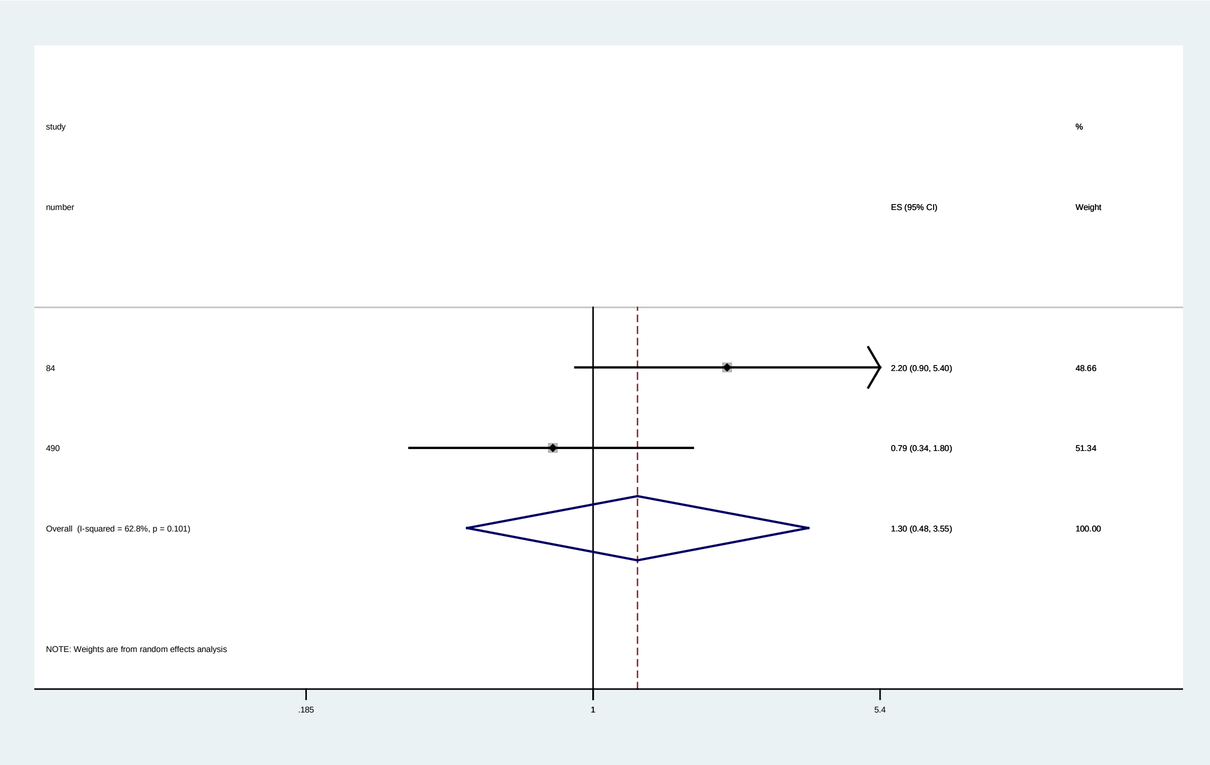
9.7.33 Meta-analysis: exposure 72

Exposure
Observed aggression

	exp_cat	out_cat	pop_cat
1.	observed aggression	homicide	psychiatric patients
2.	observed aggression	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
84	2.200	0.900	5.400	48.66
490	0.790	0.340	1.800	51.34
D+L pooled ES	1.300	0.477	3.546	100.00

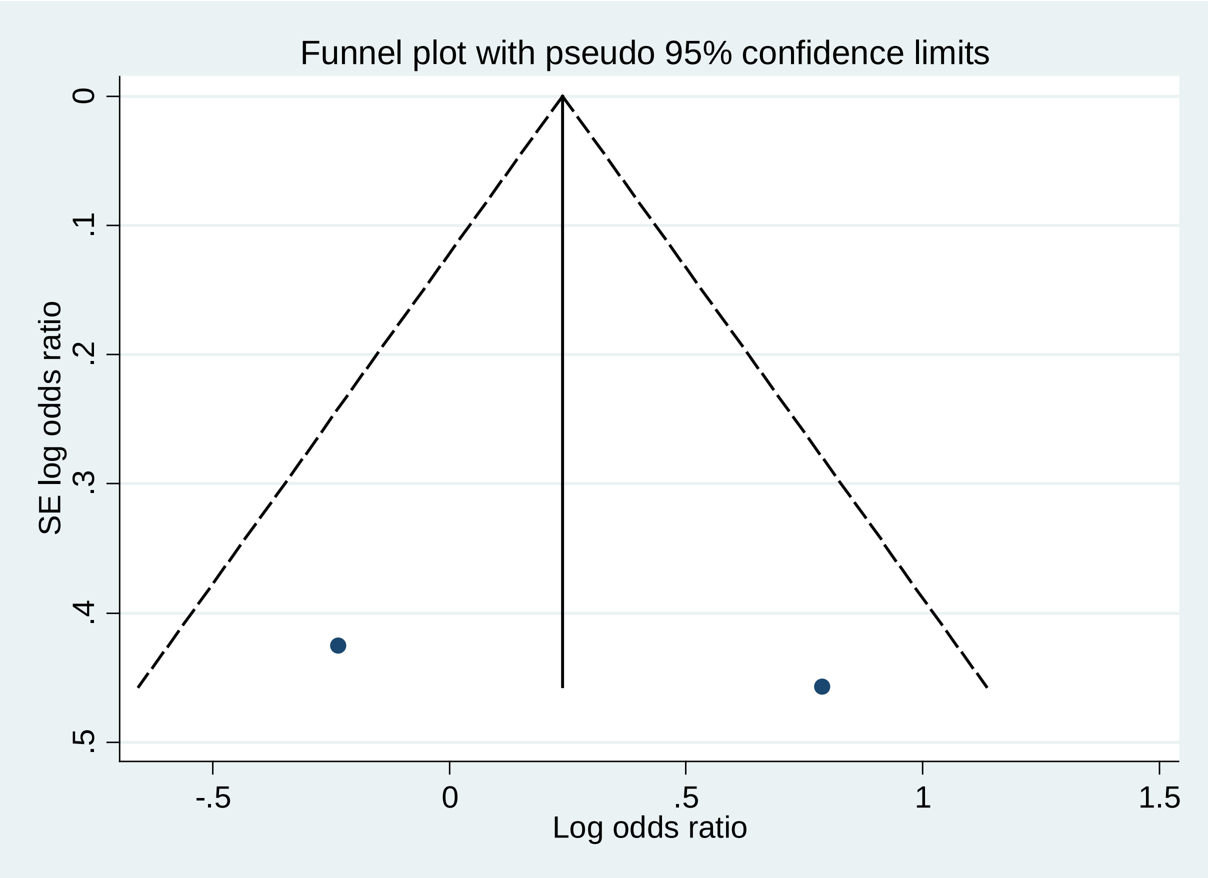
Test of ES=1 : z= 0.51 p = 0.608



Heterogeneity chi-squared = 2.69 (d.f. = 1) p = 0.101
I-squared (variation in ES attributable to heterogeneity) = 62.8%
Estimate of between-study variance Tau-squared = 0.3296

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-1.704338	.95584102	4



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient observations

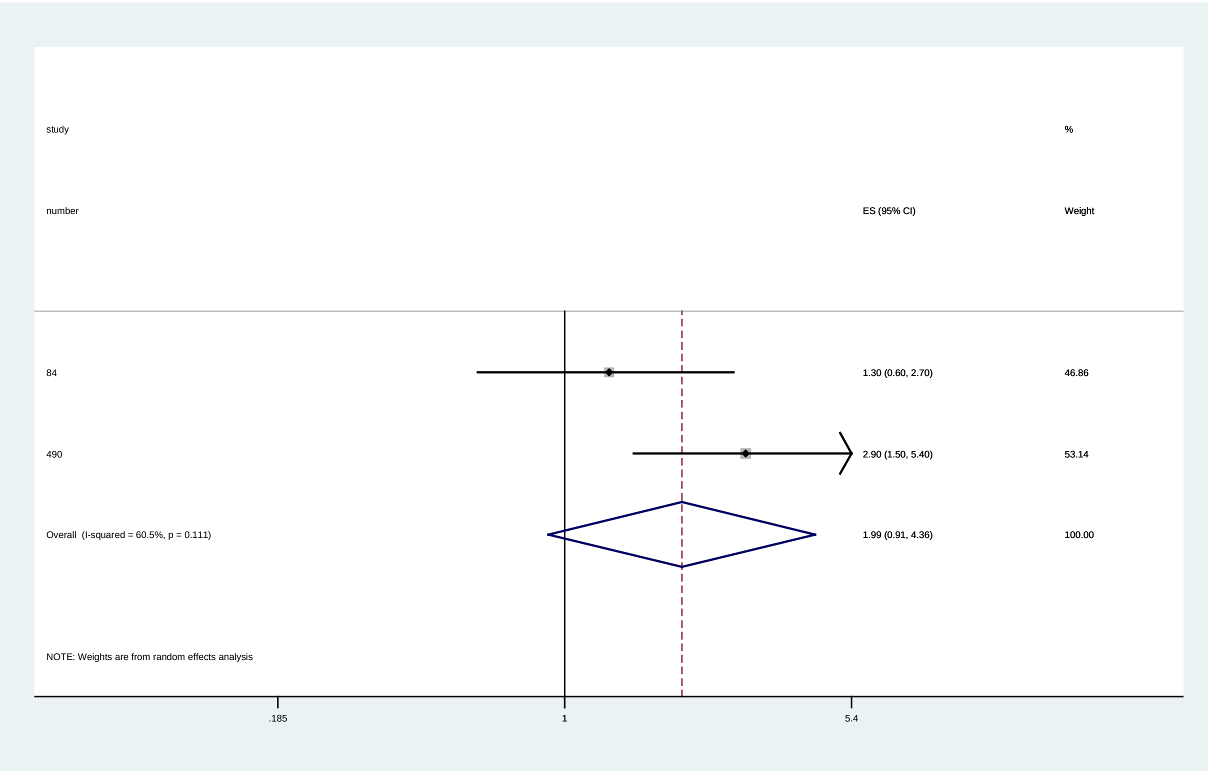
9.7.34 Meta-analysis: exposure 87

Exposure
Homeless/poor housing

	exp_cat	out_cat	pop_cat
1.	homeless/poor housing	homicide	psychiatric patients
2.	homeless/poor housing	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
84	1.300	0.600	2.700	46.86
490	2.900	1.500	5.400	53.14
D+L pooled ES	1.991	0.908	4.364	100.00

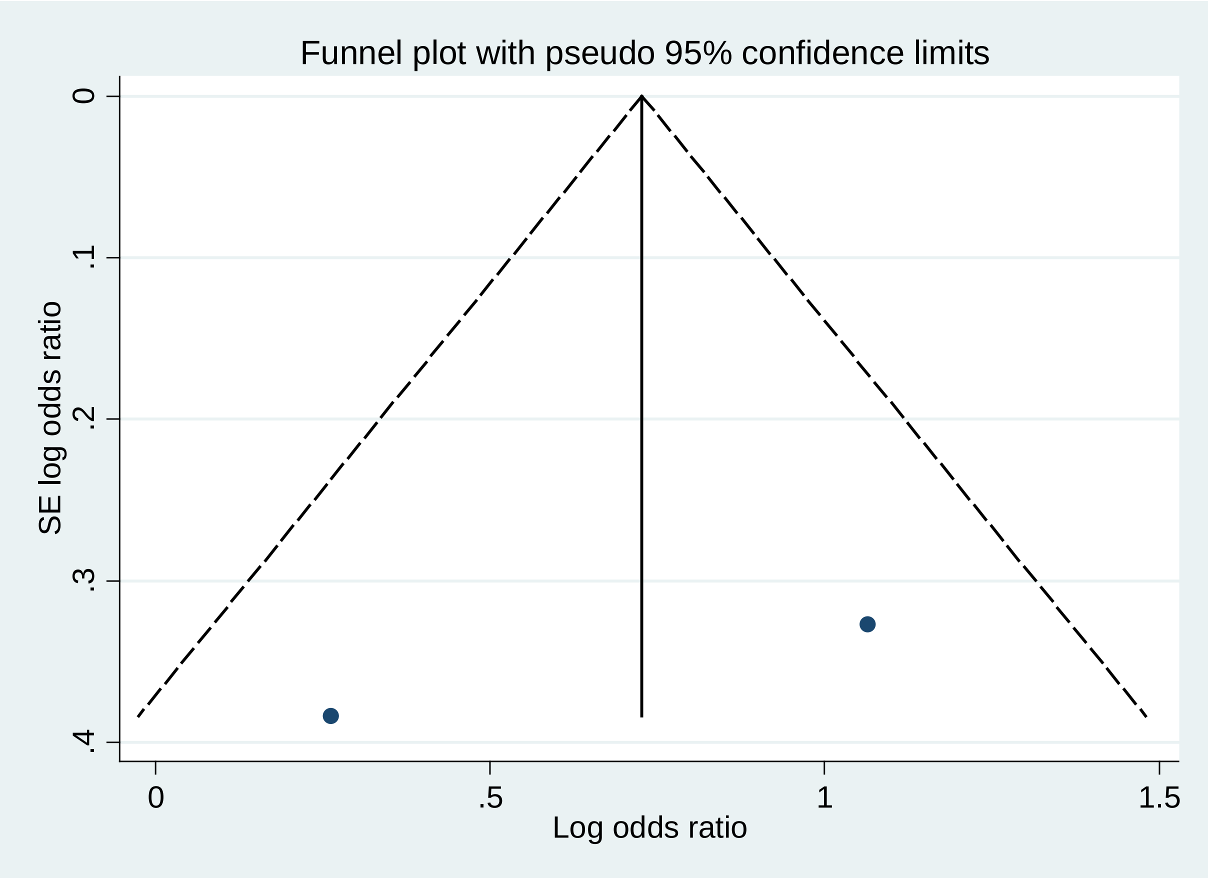
Test of ES=1 : z= 1.72 p = 0.085



Heterogeneity chi-squared = 2.53 (d.f. = 1) p = 0.111
I-squared (variation in ES attributable to heterogeneity) = 60.5%
Estimate of between-study variance Tau-squared = 0.1949

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2



Test of H0: no small-study effects P = .

Meta-regression: Insufficient observations

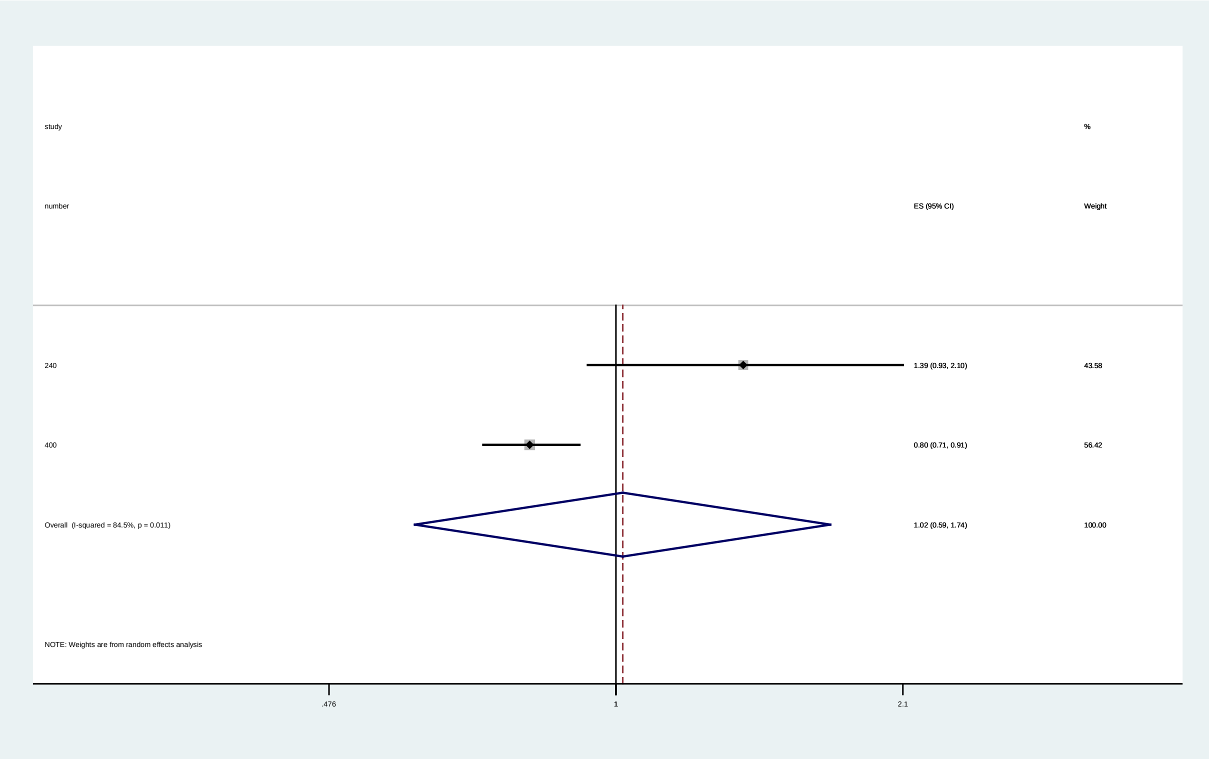
9.7.35 Meta-analysis: exposure 89

Exposure
Family/friends support

	exp_cat	out_cat	pop_cat
1.	family/friends support	violent crime	general population
2.	family/friends support	criminality	psychiatric patients

Study	ES	[95% Conf. Interval]		% Weight
240	1.390	0.930	2.100	43.58
400	0.800	0.710	0.910	56.42
D+L pooled ES	1.018	0.595	1.741	100.00

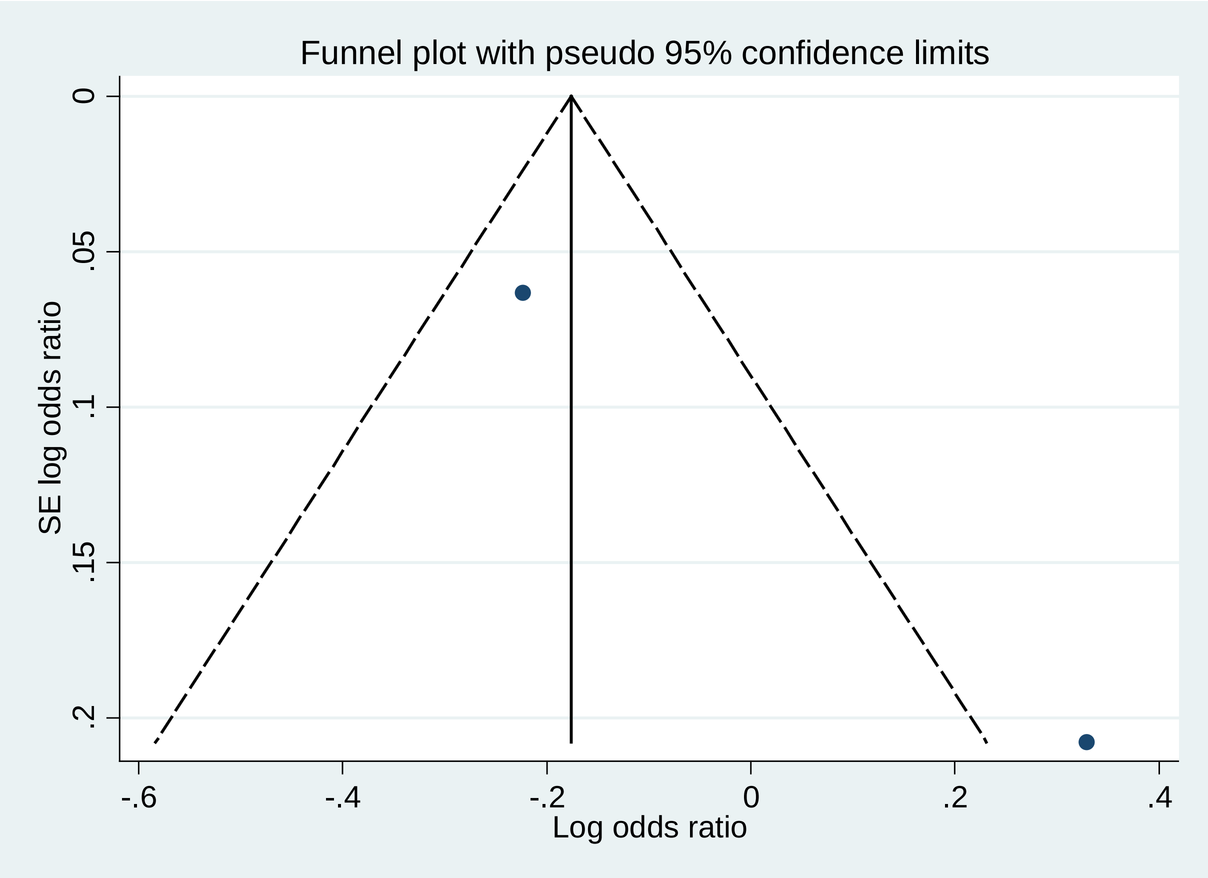
Test of ES=1 : z= 0.06 p = 0.949



Heterogeneity chi-squared = 6.47 (d.f. = 1) p = 0.011
I-squared (variation in ES attributable to heterogeneity) = 84.5%
Estimate of between-study variance Tau-squared = 0.1290

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-.01959594	.50781715	2



Test of H0: no small-study effects P = .

Meta-regression: insufficient number of studies

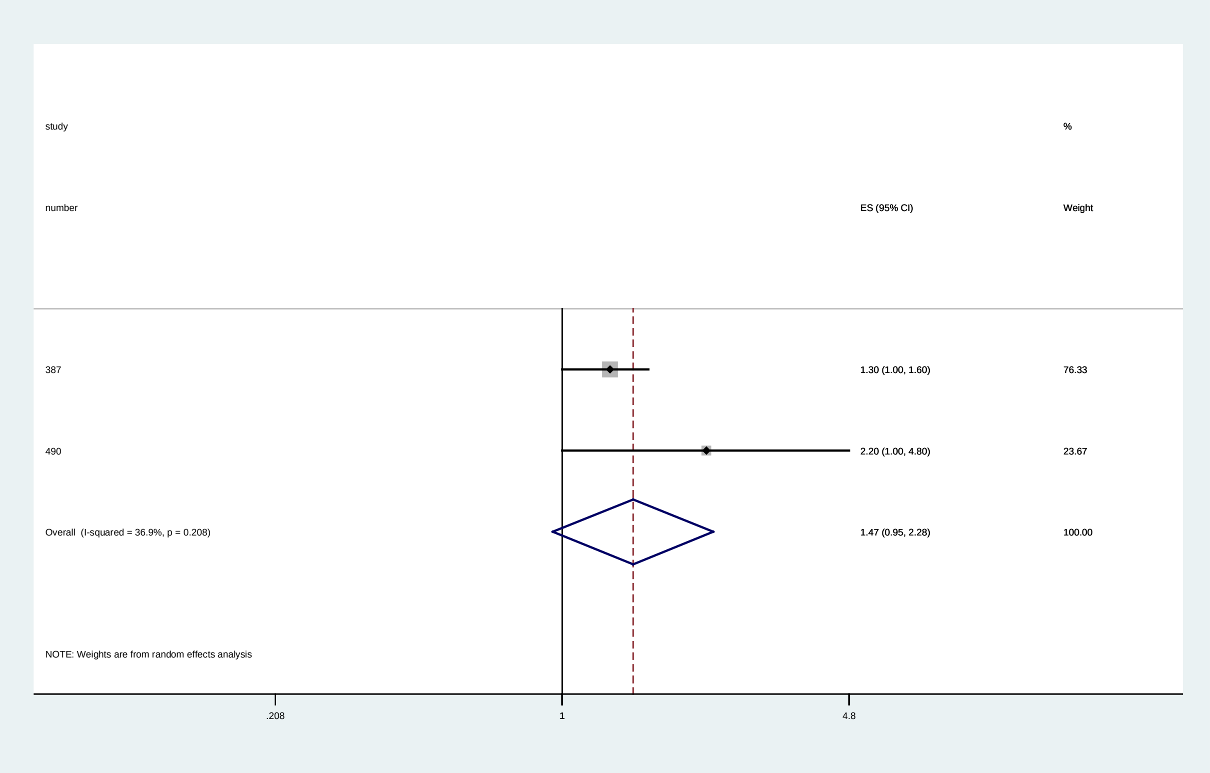
9.7.36 Meta-analysis: exposure 91

Exposure
Parenting skills

	exp_cat	out_cat	pop_cat
1.	parenting skills	criminality	general population
2.	parenting skills	adult onset criminality	general population

Study	ES	[95% Conf.	Interval]	% Weight
387	1.300	1.000	1.600	76.33
490	2.200	1.000	4.800	23.67
D+L pooled ES	1.472	0.950	2.282	100.00

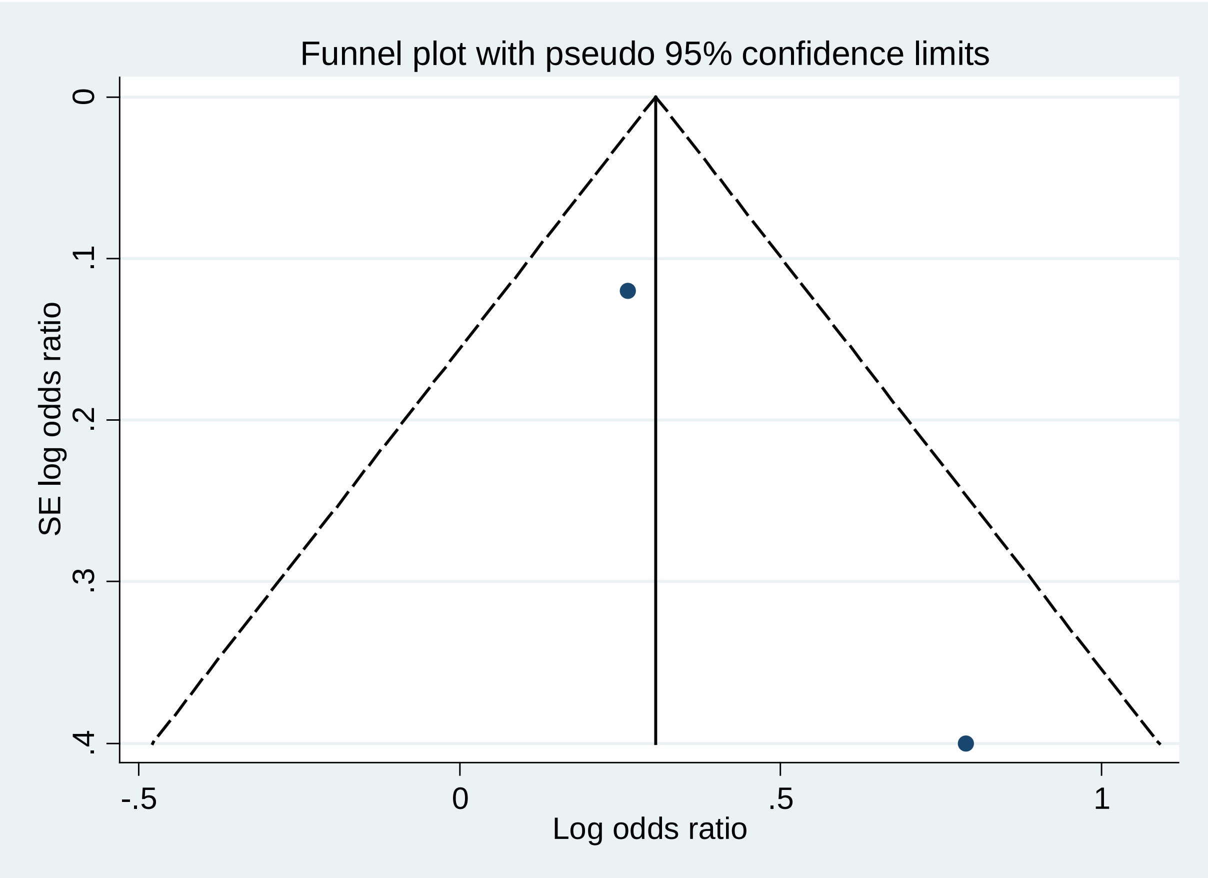
Test of ES=1 : z= 1.73 p = 0.084



Heterogeneity chi-squared = 1.59 (d.f. = 1) p = 0.208
I-squared (variation in ES attributable to heterogeneity) = 36.9%
Estimate of between-study variance Tau-squared = 0.0511

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-.98600004	.83793345	3



Test of H0: no small-study effects P = .

Meta-regression: insufficient number of studies

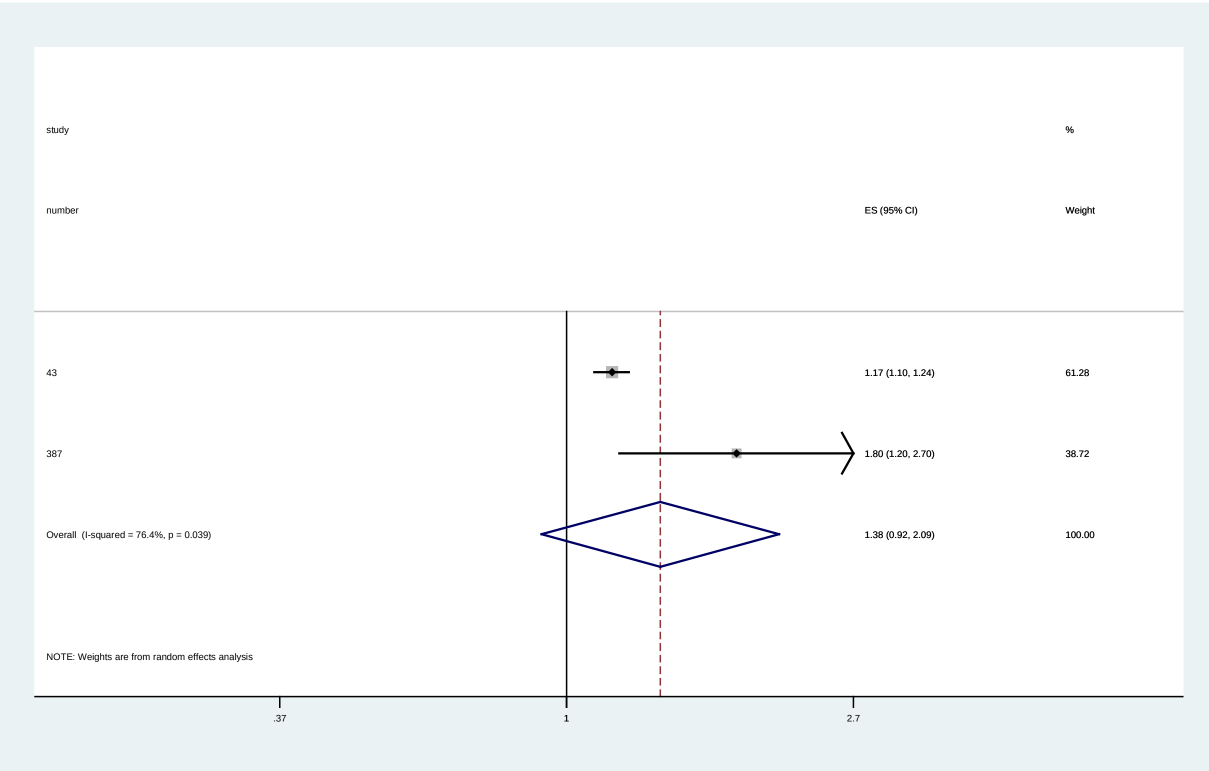
9.7.37 Meta-analysis: exposure 93

Exposure
Maternal prenatal smoking

	exp_cat	out_cat	pop_cat
1.	maternal prenatal smoking	criminality	general population
2.	maternal prenatal smoking	criminality	general population

Study	ES	[95% Conf. Interval]		% Weight
43	1.170	1.100	1.240	61.28
387	1.800	1.200	2.700	38.72
D+L pooled ES	1.382	0.916	2.086	100.00

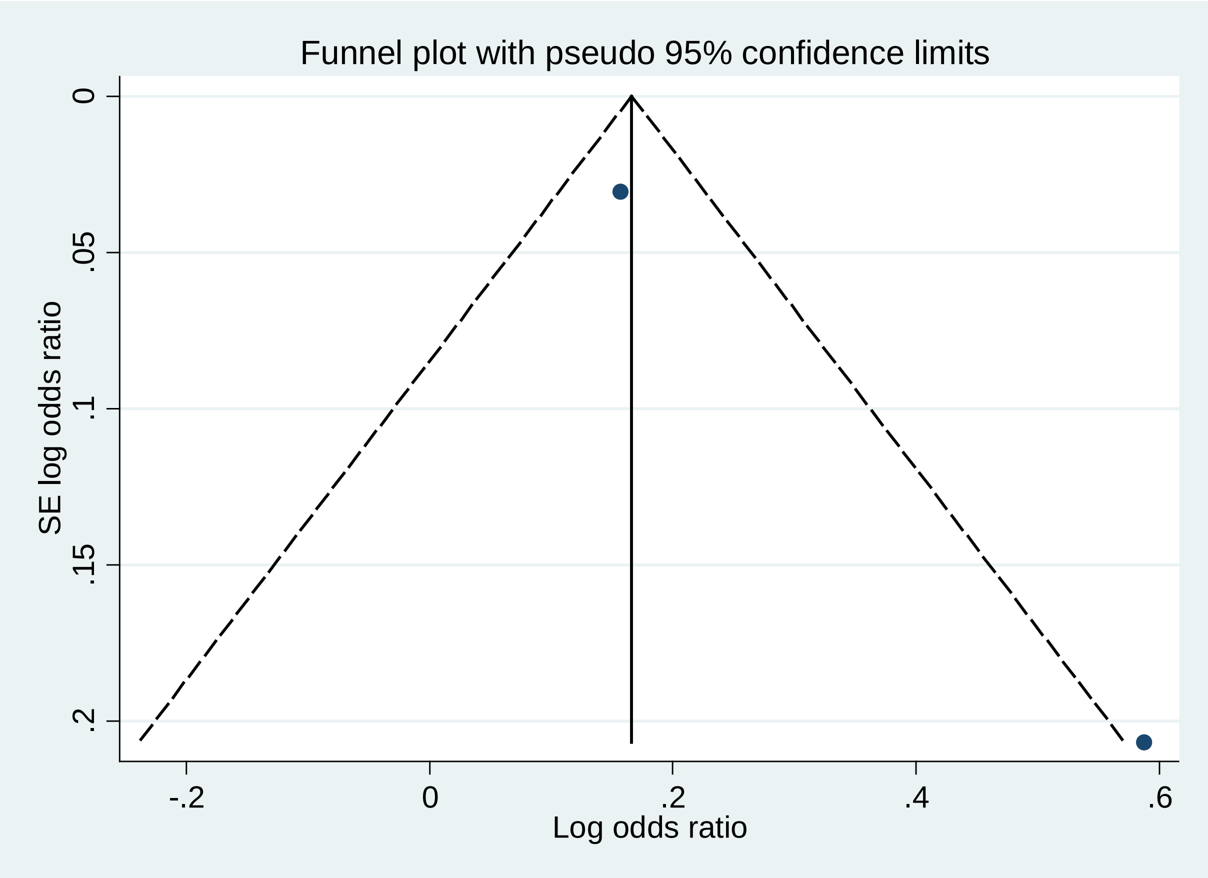
Test of ES=1 : z= 1.54 p = 0.123



Heterogeneity chi-squared = 4.24 (d.f. = 1) p = 0.039
I-squared (variation in ES attributable to heterogeneity) = 76.4%
Estimate of between-study variance Tau-squared = 0.0709

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	2.1359551	.01634154	2



Test of H0: no small-study effects   P =   .

Meta-regression: insufficient number of studies

9.7.38 Meta-analysis: exposure 100

Exposure
Child health/behaviour problems

Insufficient number of relative risk estimates for meta-analysis

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-.17636329	.56999573	2

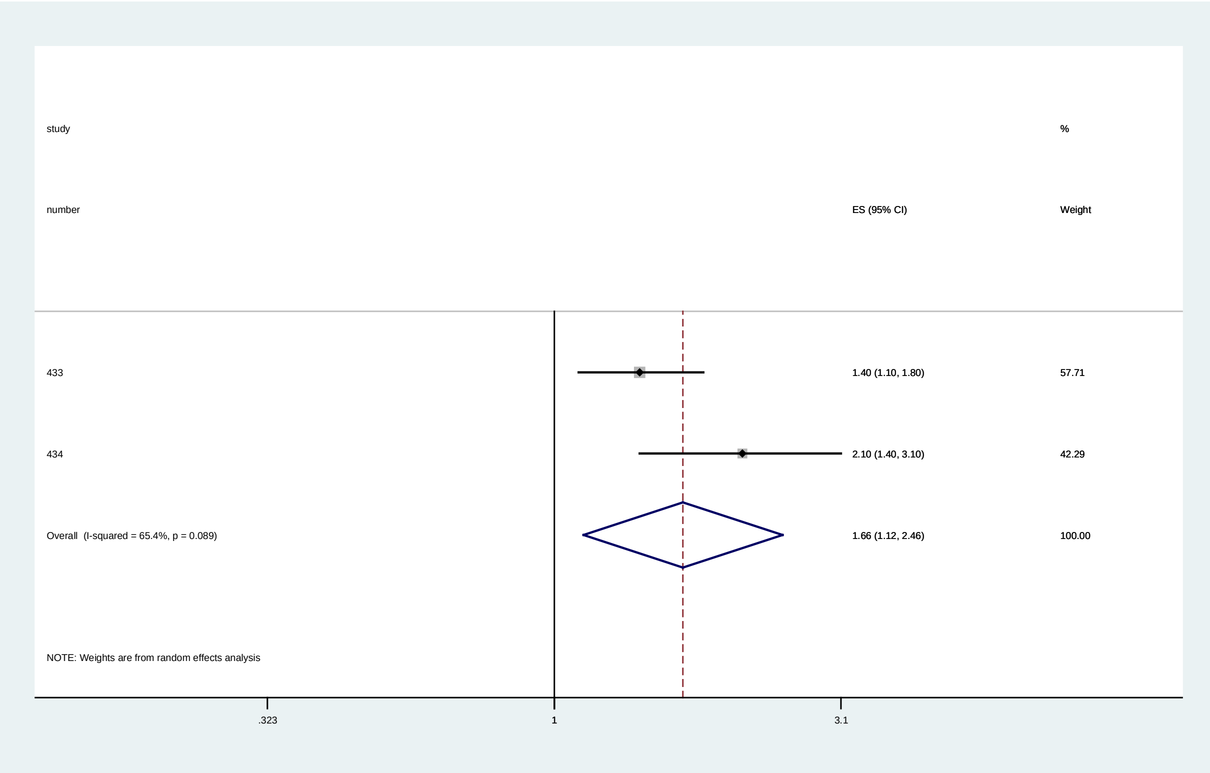
9.7.39 Meta-analysis: exposure 107

Exposure
Bullying

	exp_cat	out_cat	pop_cat
1.	bullying	frequent violent crime	general population
2.	bullying	frequent violent crime	general population

Study	ES	[95% Conf.	Interval]	% Weight
433	1.400	1.100	1.800	57.71
434	2.100	1.400	3.100	42.29
D+L pooled ES	1.662	1.122	2.461	100.00

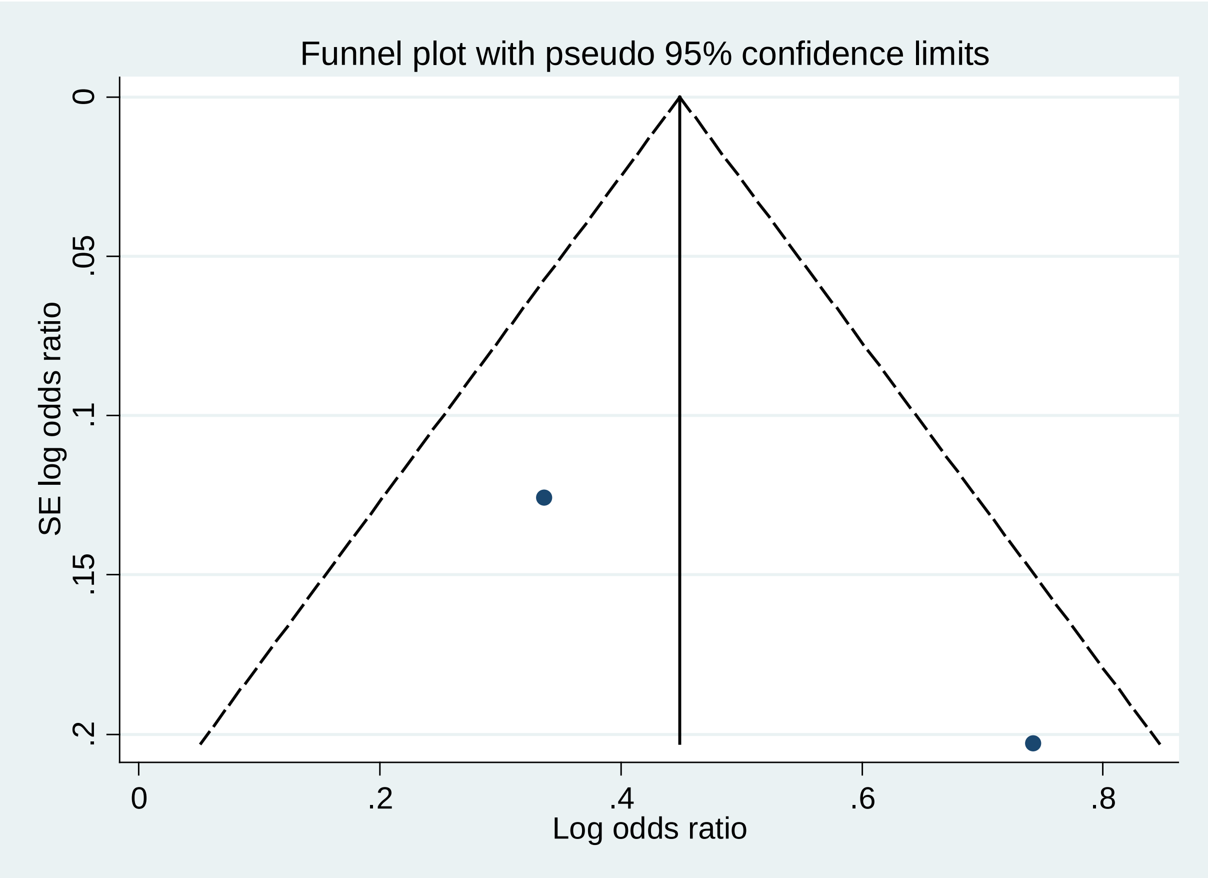
Test of ES=1 : z= 2.54 p = 0.011



Heterogeneity chi-squared = 2.89 (d.f. = 1) p = 0.089
I-squared (variation in ES attributable to heterogeneity) = 65.4%
Estimate of between-study variance Tau-squared = 0.0537

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	2.2167882	.01331878	2



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient number of studies

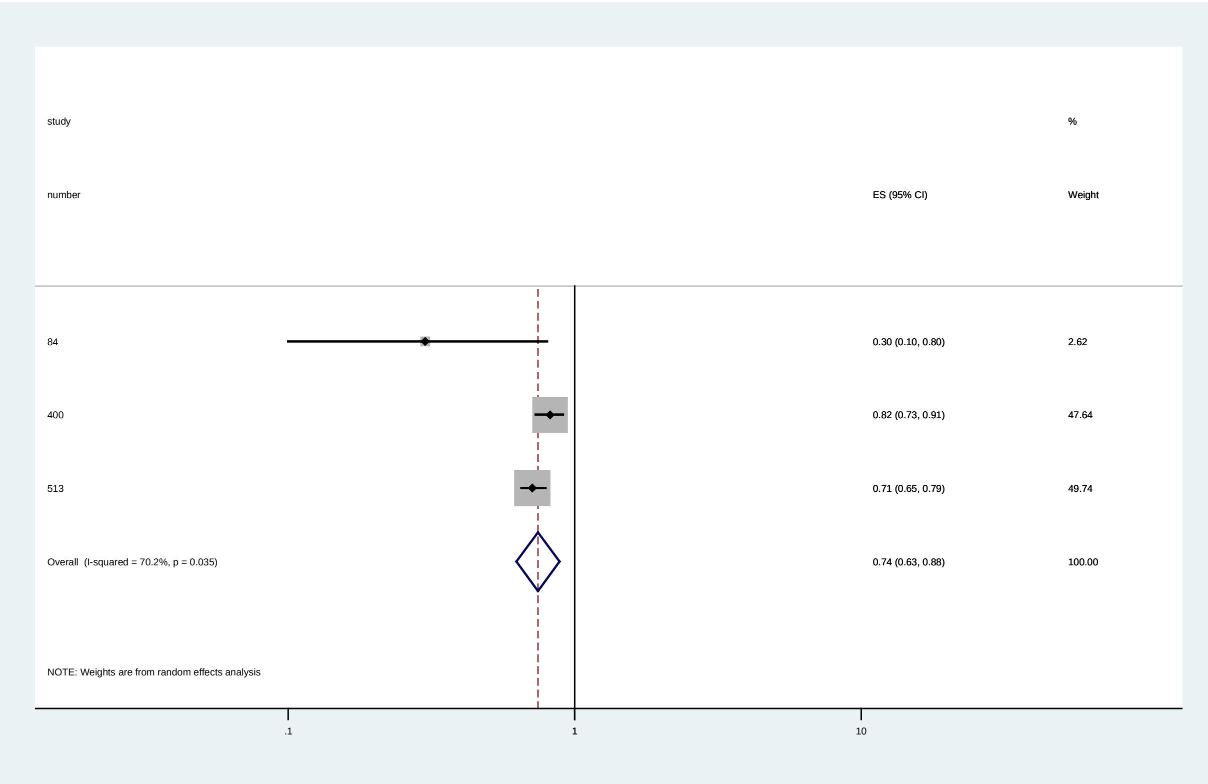
9.7.40 Meta-analysis: exposure 117

Exposure
Use of psychiatric medication

	exp_cat	out_cat	pop_cat
1.	use of psychiatric medication	homicide	psychiatric patients
2.	use of psychiatric medication	violent crime	psychiatric patients
3.	use of psychiatric medication	violent crime	psychiatric patients

Study	ES	[95% Conf.	Interval]	% Weight
84	0.300	0.100	0.800	2.62
400	0.820	0.730	0.910	47.64
513	0.710	0.650	0.790	49.74
D+L pooled ES	0.743	0.626	0.883	100.00

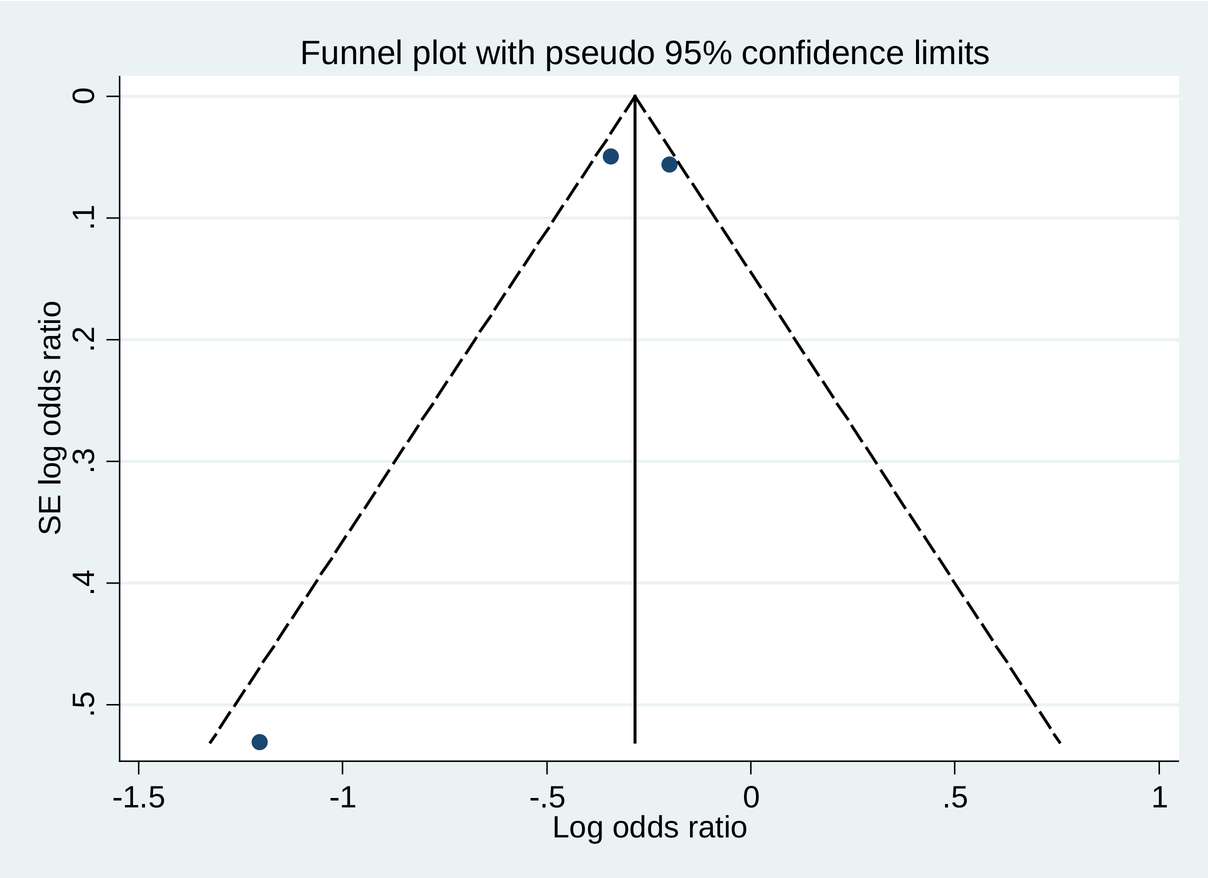
Test of ES=1 : z= 3.37 p = 0.001



Heterogeneity chi-squared = 6.70 (d.f. = 2) p = 0.035
I-squared (variation in ES attributable to heterogeneity) = 70.2%
Estimate of between-study variance Tau-squared = 0.0131

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	.98347998	.16268563	3



Test of H0: no small-study effects   P = 0.592

Meta-regression   Number of obs =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
n	1.000004	9.72e-06	0.39	0.762	.9998804	1.000127
_cons	.5431452	.2759321	-1.20	0.442	.0008541	345.4022

metareg ln_rr adjusted, wsse(se_rr) eform
note: adjusted dropped because of collinearity

Meta-regression   Number of obs =   3

ln_rr	exp(b)	Std. Err.	t	P>|t|	[95% Conf.	Interval]
quality	.9873646	.0408627	-0.31	0.810	.5835821	1.670526
_cons	1.4964	4.316215	0.14	0.912	1.81e-16	1.24e+16

```
------------------------------------------------------------------------------

metareg ln_rr outcat*, wsse(se_rr) eform
insufficient observations


metareg ln_rr popcat*, wsse(se_rr) eform
note: popcat1 dropped because of collinearity


Meta-regression                                       Number of obs  =       3

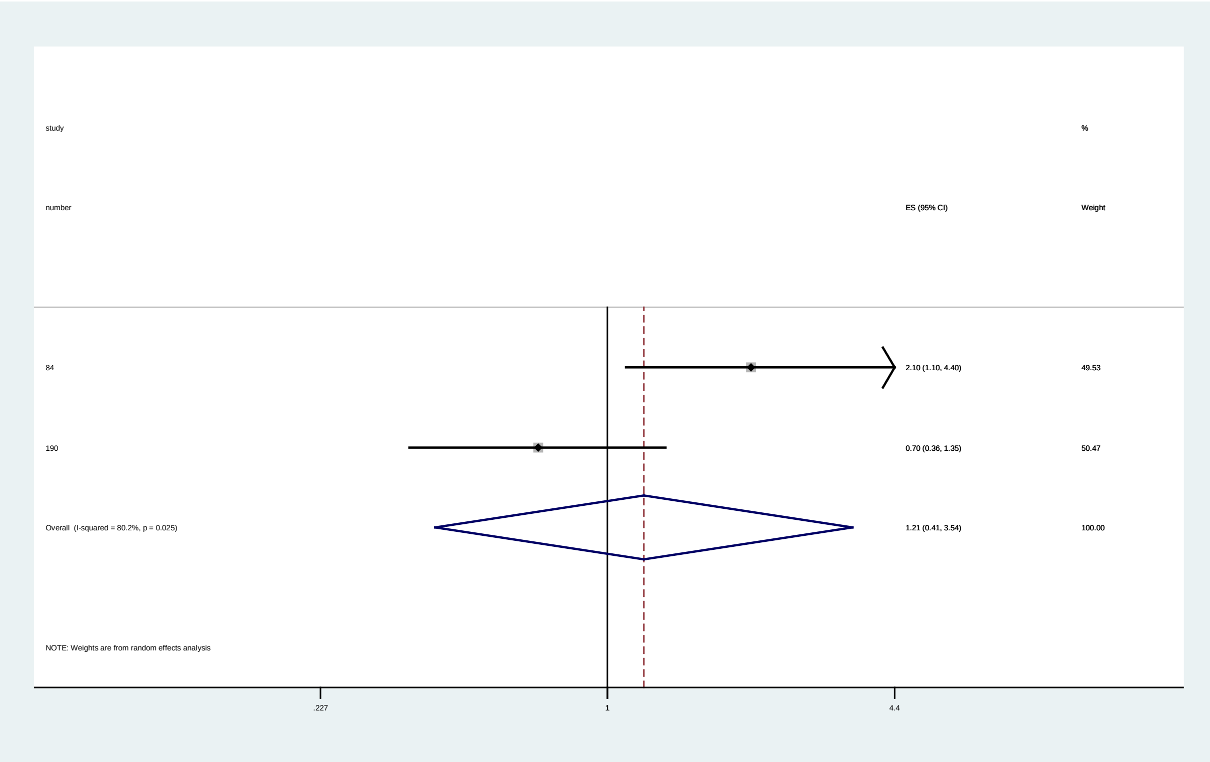
------------------------------------------------------------------------------
       ln_rr |     exp(b)   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
          fu |   1.008762    .019405     0.45   0.729     .7900189    1.288071
       _cons |   .5013606   .3047833    -1.14   0.460     .0002216    1134.366
------------------------------------------------------------------------------
```

9.7.41 Meta-analysis: exposure 118

Exposure
(involuntary) admission

```
     +-------------------------------------------------------------+
     |              exp_cat        out_cat                pop_cat |
     |-------------------------------------------------------------|
  1. | (involuntary) admission      homicide   psychiatric patients |
  2. | (involuntary) admission   criminality   psychiatric patients |
     +-------------------------------------------------------------+
```

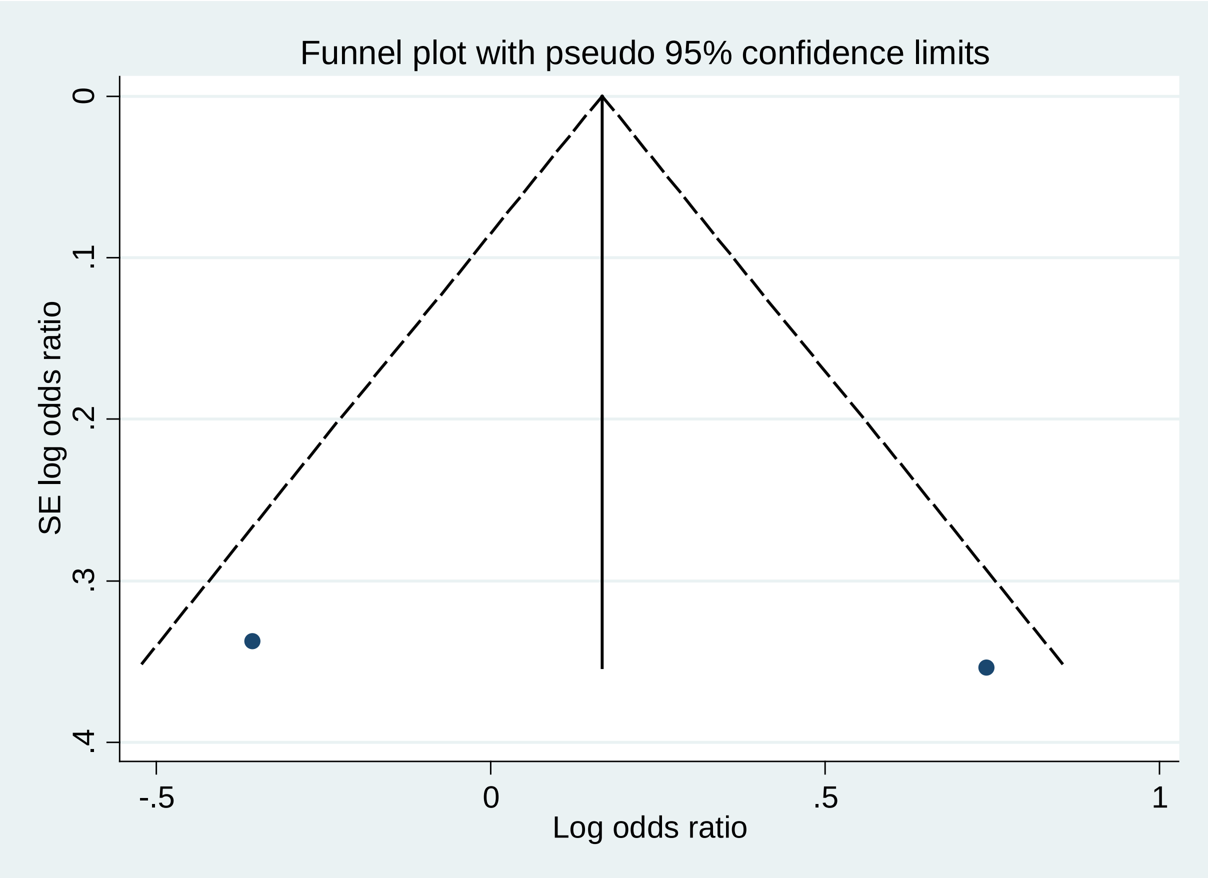
```
           Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
84                   |  2.100       1.100     4.400          49.53
190                  |  0.700       0.360     1.350          50.47
---------------------+---------------------------------------------------
D+L pooled ES        |  1.206       0.411     3.540         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   0.34 p = 0.733
```




```
Heterogeneity chi-squared =   5.05 (d.f. = 1) p = 0.025
I-squared (variation in ES attributable to heterogeneity) =  80.2%
Estimate of between-study variance Tau-squared =  0.4841
```

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-2.4005	.99181365	2



Test of H0: no small-study effects P = .

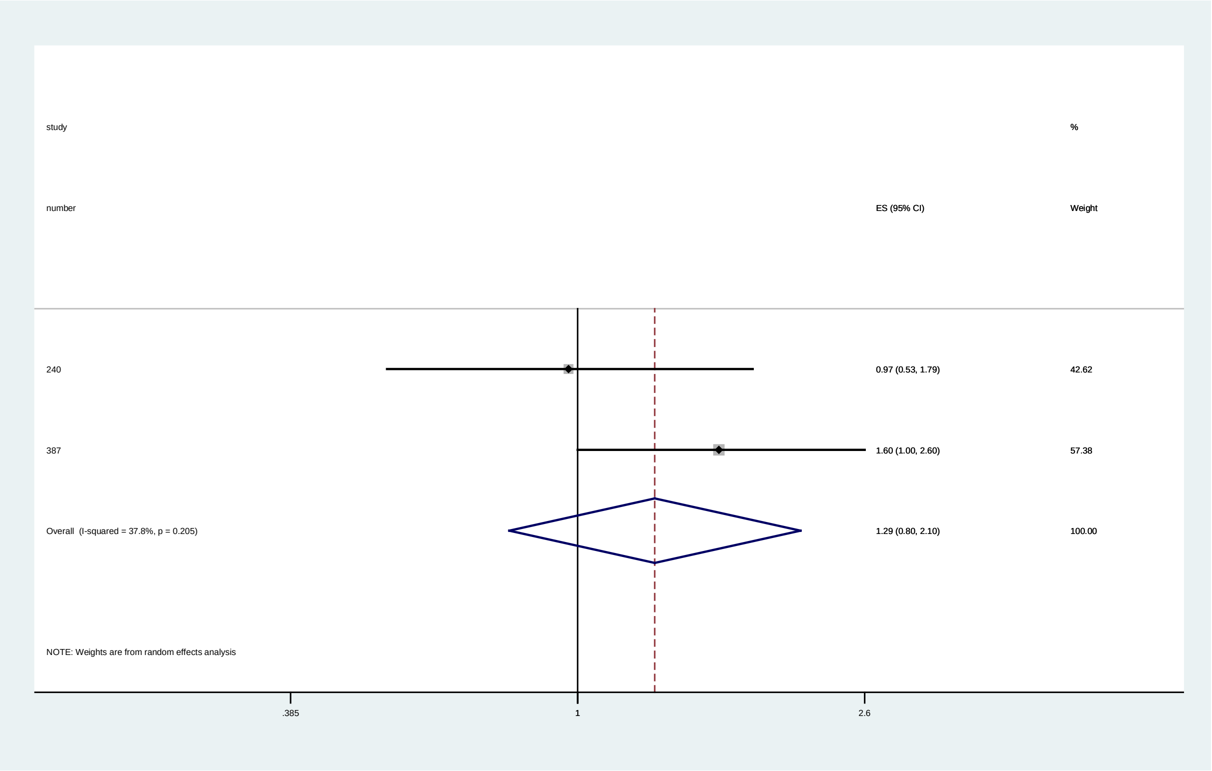
Meta-regression: Insufficient number of studies

9.7.42 Meta-analysis: exposure 127

Exposure
Quality neighbourhood/school

```
      +----------------------------------------------------------------+
      |                      exp_cat         out_cat            pop_cat |
      |----------------------------------------------------------------|
   1. | quality neighbourhood/school   violent crime   general population |
   2. | quality neighbourhood/school     criminality   general population |
      +----------------------------------------------------------------+
```

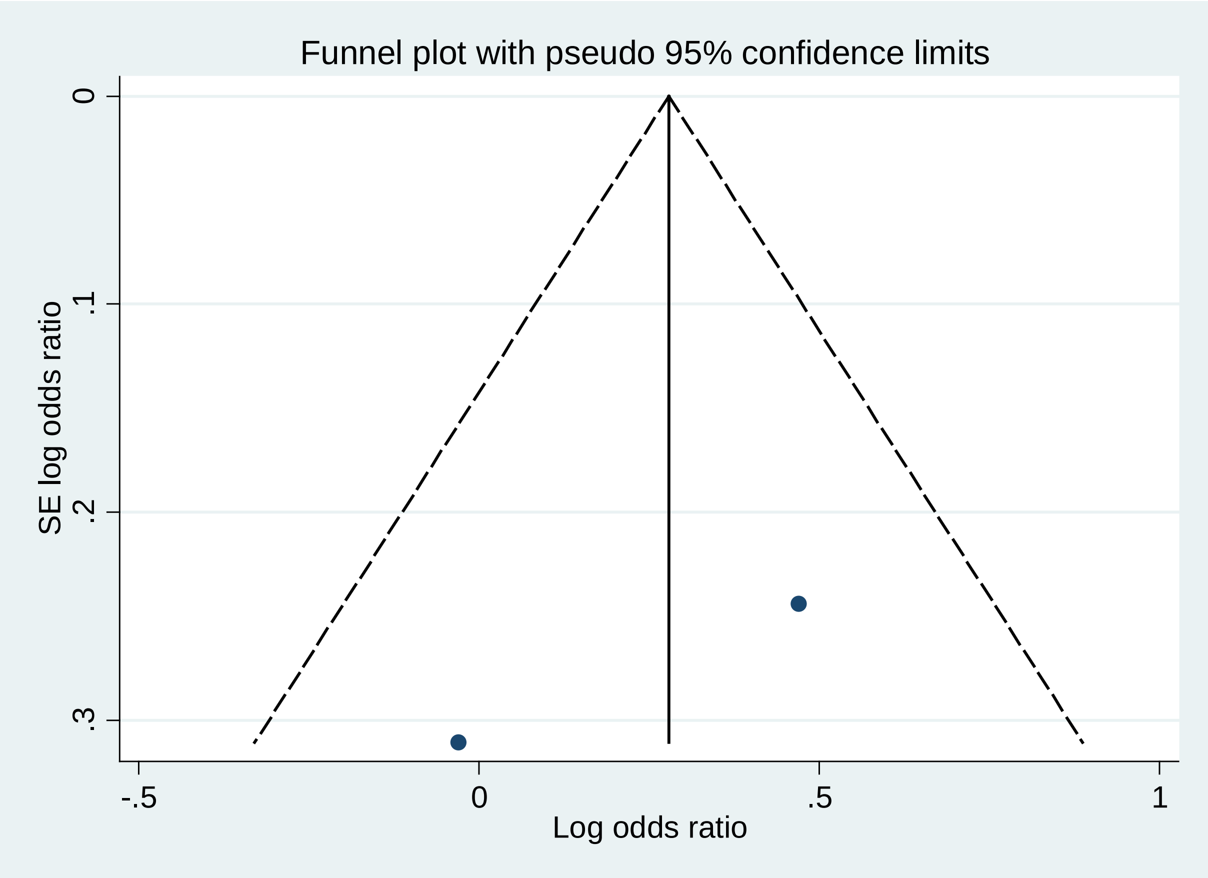
```
           Study     |     ES    [95% Conf. Interval]     % Weight
---------------------+---------------------------------------------------
240                  |  0.970       0.530     1.790          42.62
387                  |  1.600       1.000     2.600          57.38
---------------------+---------------------------------------------------
D+L pooled ES        |  1.293       0.796     2.100         100.00
---------------------+---------------------------------------------------
Test of ES=1 : z=   1.04 p = 0.300
```




```
Heterogeneity chi-squared =   1.61 (d.f. = 1) p = 0.205
I-squared (variation in ES attributable to heterogeneity) =  37.8%
Estimate of between-study variance Tau-squared =  0.0473
```

Meta-analysis of Bonferroni-corrected p_values

Method	Z	p_value	studies
Edgington, Normal	-1.22	.88876757	3



Test of H0: no small-study effects   P =   .

Meta-regression: Insufficient number of studies

9.8 Bijlage 8: Associaties voor unieke exposure-uitkomst-populatie combinaties, met relatief risico, (Bonferroni-gecorrigeerde) p-waarde. Gearceerde gebieden geven aan een significante Bonferroni gecorrigeerde p-waarde.

Number	Code	Study	Exposure	Outcome	Population	RR	95%CI low	95%CI high	p	p-Bonf
1	10107	293	conduct disorder	violent crime	psychiatric patients	2.489	1.13	5.484	0.02	0.42
2	10205	62	conduct disorder	property crime	non-incarcerated juvenile offender	1.38	1.07	1.79	0.01	0.42
3	10302	435	conduct disorder	drug related crime	general population	1.8	0.8	4.1	0.155948	0.99
4	10304	60	conduct disorder	drug related crime	incarcerated juvenile offender	0.74	0.36	1.52	0.9	0.99
5	10405	262	conduct disorder	frequent violent crime	non-incarcerated juvenile offender				0.9	0.99
6	11402	435	conduct disorder	traffic crime	general population	2.3	1.5	3.7	0.001	0.012
7	11502	435	conduct disorder	drink driving	general population	2.4	1.4	4.3	0.049	0.588
8	11604	104	conduct disorder	criminality	incarcerated juvenile offender	1.03	0.71	1.5	0.88	0.99
9	11802	429	conduct disorder	nonviolent crime	general population	1.26	1.14	1.4	0.001	0.021
10	12302	269	conduct disorder	antisocial behaviour	general population	1.3	0.3	5.4	0.738888	0.99
11	13407	275	conduct disorder	arrests	psychiatric patients	2.7	0.87	8.28	0.09	0.54
12	13702	398	conduct disorder	delinquency	general population				0.001	0.008
13	13707	381	conduct disorder	delinquency	psychiatric patients	2.7	1.6	4.4	0.001	0.007
14	20101	253	ADHD	violent crime	sex offender	1.79	1.19	2.68	0.005	0.075
15	20107	367	ADHD	violent crime	psychiatric patients				0.9	0.99
16	20202	269	ADHD	property crime	general population	1	0.4	2.4	1	0.99
17	20205	62	ADHD	property crime	non-incarcerated juvenile offender	1.58	1.18	2.12	0.001	0.042
18	20207	367	ADHD	property crime	psychiatric patients	6.67			0.01	0.11
19	20304	60	ADHD	drug related crime	incarcerated juvenile offender	1.47	0.55	3.95	0.4205	0.99
20	20307	367	ADHD	drug related crime	psychiatric patients				0.9	0.99
21	20405	262	ADHD	frequent violent crime	non-incarcerated juvenile offender	2.3	0.7	7	0.15	0.9
22	21407	367	ADHD	traffic crime	psychiatric patients				0.9	0.99
23	21601	253	ADHD	criminality	sex offender	1.58	1.11	2.49	0.009	0.135
24	21604	104	ADHD	criminality	incarcerated juvenile offender				0.9	0.99
25	21606	343	ADHD	criminality	non-incarcerated offenders				0.001	0.031
26	21704	60	ADHD	severe recidivism	incarcerated juvenile offender	1.49	0.36	6.12	0.5942	0.99
27	21906	343	ADHD	sexual crime	non-incarcerated offenders				0.9	0.99
28	21907	367	ADHD	sexual crime	psychiatric patients				0.9	0.99
29	22302	269	ADHD	antisocial behaviour	general population	0.9	0.5	2	0.738413	0.99
30	22504	104	ADHD	time to offense/recidivism	incarcerated juvenile offender				0.05	0.45
31	22707	367	ADHD	firesetting (recidivism)	psychiatric patients				0.9	0.99
32	23107	367	ADHD	weapons offense	psychiatric patients				0.9	0.99
33	23702	398	ADHD	delinquency	general population				0.001	0.008
34	23707	353	ADHD	delinquency	psychiatric patients	0.31			0.14	0.7
35	30101	346	ethnic minority	violent crime	sex offender	2.2	1.4	3.3	0.049	0.833
36	30104	62	ethnic minority	violent crime	incarcerated juvenile offender				0.9	0.99
37	30105	344	ethnic minority	violent crime	non-incarcerated juvenile offender	3.21	1.01	10.21	0.049	0.99
38	30111	479	ethnic minority	violent crime	traumatized children vs. controls				0.001	0.018
39	30204	62	ethnic minority	property crime	incarcerated juvenile offender				0.01	0.42
40	30302	454	ethnic minority	drug related crime	general population	1.06	0.84	1.32	0.636172	0.99

41	30304	62	ethnic minority	drug related crime	incarcerated juvenile offender				0.9	0.99
42	31605	184	ethnic minority	criminality	non-incarcerated juvenile offender	0.42	0.21	0.84	0.014	0.322
43	31608	378	ethnic minority	criminality	incarcerated offenders	1.627			0.001	0.015
44	31706	288	ethnic minority	severe recidivism	non-incarcerated offenders				0.9	0.99
45	31901	346	ethnic minority	sexual crime	sex offender	0.9	0.5	1.7	0.738413	0.99
46	32305	184	ethnic minority	antisocial behaviour	non-incarcerated juvenile offender	0.49	0.21	1.15	0.1	0.99
47	32602	487	ethnic minority	sexual agression	general population	1.4	0.77	2.4	0.273308	0.99
48	40204	62	prior criminality	property crime	incarcerated juvenile offender	0.51	0.07	3.77	0.516743	0.99
49	41604	384	prior criminality	criminality	incarcerated juvenile offender				0.014	0.182
50	41605	285	prior criminality	criminality	non-incarcerated juvenile offender	1.04	1.03	1.06	0.01	0.12
51	41608	111	prior criminality	criminality	incarcerated offenders	0.93	0.92	0.95	0.00001	0.00022
52	41801	486	prior criminality	nonviolent crime	sex offender				0.01	0.7
53	42807	84	prior criminality	homicide	psychiatric patients				0.9	0.99
54	50102	435	emotional problems	violent crime	general population	4	2.4	6.8	0.001	0.012
55	50105	62	emotional problems	violent crime	non-incarcerated juvenile offender	0.86	0.69	1.06	0.180535	0.99
56	50202	435	emotional problems	property crime	general population	4.3	2.7	6.8	0.001	0.012
57	50204	62	emotional problems	property crime	incarcerated juvenile offender	0.66	0.5	0.89	0.001	0.042
58	50302	435	emotional problems	drug related crime	general population	3.6	1.8	7.4	0.001	0.012
59	51402	435	emotional problems	traffic crime	general population	3.6	2.6	5.6	0.001	0.012
60	51502	435	emotional problems	drink driving	general population	4.2	2.4	7.2	0.001	0.012
61	51602	435	emotional problems	criminality	general population	4.2	2.8	6.2	0.001	0.012
62	53707	381	emotional problems	delinquency	psychiatric patients				0.9	0.99
63	60104	63	psychotic symptoms	violent crime	incarcerated juvenile offender	0.62	0.48	0.82	0.000274	0.00439
64	61607	436	psychotic symptoms	criminality	psychiatric patients				0.9	0.99
65	61608	111	psychotic symptoms	criminality	incarcerated offenders	1.01	0.9	1.13	0.875319	0.99
66	62807	84	psychotic symptoms	homicide	psychiatric patients	1.3	0.6	2.7	0.516400	0.99
67	70105	344	drugs/alcohol	violent crime	non-incarcerated juvenile offender	3.34	1.29	8.68	0.049	0.99
68	70204	60	drugs/alcohol	property crime	incarcerated juvenile offender	0.99	0.51	1.95	0.9786	0.99
69	70205	66	drugs/alcohol	property crime	non-incarcerated juvenile offender				0.001	0.003
70	70304	60	drugs/alcohol	drug related crime	incarcerated juvenile offender	2.41	1.22	4.75	0.011	0.352
71	70305	66	drugs/alcohol	drug related crime	non-incarcerated juvenile offender				0.001	0.003
72	70402	292	drugs/alcohol	frequent violent crime	general population	12.4	3.9	39.4	0.000024	0.00147
73	70607	96	drugs/alcohol	multiple category crime	psychiatric patients	2.61			0.001	0.041
74	71402	292	drugs/alcohol	traffic crime	general population	1.1	0.4	2.8	0.076	0.99
75	71407	319	drugs/alcohol	traffic crime	psychiatric patients	2.56	1.8	3.33	0.00001	0.00084
76	71502	292	drugs/alcohol	drink driving	general population	1.3	0.5	3.5	0.642	0.99
77	71602	292	drugs/alcohol	criminality	general population	17.4	8	37.9	0.001	0.061
78	71804	175	drugs/alcohol	nonviolent crime	incarcerated juvenile offender				0.9	0.99
79	72302	269	drugs/alcohol	antisocial behaviour	general population	2.8	1.4	5.7	0.049	0.99
80	72305	184	drugs/alcohol	antisocial behaviour	non-incarcerated juvenile offender	1.7			0.001	0.023
81	72506	121	drugs/alcohol	time to offense/recidivism	non-incarcerated offenders				0.056	0.224
82	72602	487	drugs/alcohol	sexual agression	general population	1.6			0.001	0.014
83	72807	84	drugs/alcohol	homicide	psychiatric patients	32	3	395	0.004155	0.22440
84	73002	490	drugs/alcohol	adult onset criminality	general population	0.98	0.46	2.1	0.962059	0.99
85	73107	319	drugs/alcohol	weapons offense	psychiatric patients				0.9	0.99
86	73207	319	drugs/alcohol	parole violation	psychiatric patients				0.9	0.99

87	73707	40	drugs/alcohol	delinquency	psychiatric patients				0.9	0.99
88	80101	1	poor treatment engagement	violent crime	sex offender				0.001	0.002
89	80106	317	poor treatment engagement	violent crime	non-incarcerated offenders				0.9	0.99
90	80107	96	poor treatment engagement	violent crime	psychiatric patients	1.42			0.001	0.041
91	80207	96	poor treatment engagement	property crime	psychiatric patients	1.25			0.049	0.99
92	80307	96	poor treatment engagement	drug related crime	psychiatric patients	0.98			0.9	0.99
93	80607	96	poor treatment engagement	multiple category crime	psychiatric patients	1.36			0.01	0.41
94	81704	384	poor treatment engagement	severe recidivism	incarcerated juvenile offender				0.038	0.494
95	81901	1	poor treatment engagement	sexual crime	sex offender				0.9	0.99
96	82807	84	poor treatment engagement	homicide	psychiatric patients	6.8	1.8	26.1	0.004743	0.25616
97	83707	353	poor treatment engagement	delinquency	psychiatric patients	16.6			0.001	0.005
98	90101	486	sex	violent crime	sex offender				0.9	0.99
99	90106	311	sex	violent crime	non-incarcerated offenders	2.02	1.59	2.56	0.049	0.245
100	90111	479	sex	violent crime	traumatized children vs. controls				0.001	0.018
101	90302	454	sex	drug related crime	general population	3.0303	2.326	3.84615	0.001	0.07
102	90607	96	sex	multiple category crime	psychiatric patients	2.7777			0.001	0.041
103	91407	319	sex	traffic crime	psychiatric patients				0.9	0.99
104	91602	181	sex	criminality	general population	4.858			0.001	0.003
105	91605	192	sex	criminality	non-incarcerated juvenile offender				0.001	0.002
106	91608	111	sex	criminality	incarcerated offenders	0.6410	0.559	0.72993	0.00001	0.00022
107	91801	486	sex	nonviolent crime	sex offender				0.9	0.99
108	91901	486	sex	sexual crime	sex offender				0.9	0.99
109	92302	286	sex	antisocial behaviour	general population				0.9	0.99
110	92602	487	sex	sexual agression	general population	1.5	0.87	2.4	0.144934	0.99
111	92807	84	sex	homicide	psychiatric patients	1.2	0.5	2.8	0.696298	0.99
112	93107	319	sex	weapons offense	psychiatric patients				0.9	0.99
113	93207	319	sex	parole violation	psychiatric patients				0.9	0.99
114	93707	381	sex	delinquency	psychiatric patients	3.6	2.1	6.1	0.001	0.007
115	100102	454	age	violent crime	general population	0.4484	0.331	0.60606	0.001	0.07
116	100105	344	age	violent crime	non-incarcerated juvenile offender	0.79	0.58	1.07	0.135061	0.99
117	100302	454	age	drug related crime	general population	0.3086	0.221	0.43103	0.001	0.07
118	100607	96	age	multiple category crime	psychiatric patients	0.95			0.001	0.041
119	101407	319	age	traffic crime	psychiatric patients				0.9	0.99
120	101601	321	age	criminality	sex offender	1	0.93	1.08	1	0.99
121	101801	486	age	nonviolent crime	sex offender				0.9	0.99
122	101906	322	age	sexual crime	non-incarcerated offenders				0.9	0.99
123	102302	286	age	antisocial behaviour	general population				0.9	0.99
124	102602	487	age	sexual agression	general population	1.2			0.01	0.14
125	103107	319	age	weapons offense	psychiatric patients				0.9	0.99
126	103207	319	age	parole violation	psychiatric patients				0.9	0.99
127	110102	292	personality	violent crime	general population	1.5	0.7	3.2	0.318	0.99
128	110108	450	personality	violent crime	incarcerated offenders	2.71	1.06	6.94	0.037	0.259
129	110202	292	personality	property crime	general population	3.3	1.7	6.6	0.001	0.061
130	110208	450	personality	property crime	incarcerated offenders	0.97	0.49	1.95	0.94	0.99
131	110302	292	personality	drug related crime	general population	8.4	5	17.5	0.001	0.061
132	110308	450	personality	drug related crime	incarcerated offenders	1.51	0.91	2.5	0.107	0.749
133	110402	292	personality	frequent violent crime	general population	7.1	3.2	15.8	2.00E-06	0.00012

134	110607	96	personality	multiple category crime	psychiatric patients	2.44			0.001	0.041
135	111402	292	personality	traffic crime	general population	2.2	1.1	4.5	0.03	0.99
136	111407	319	personality	traffic crime	psychiatric patients				0.9	0.99
137	111502	292	personality	drink driving	general population	1.7	0.7	3.8	0.218	0.99
138	111602	292	personality	criminality	general population	5.3	3.2	8.9	0.001	0.061
139	111608	450	personality	criminality	incarcerated offenders	1.6	1.15	2.22	0.005	0.035
140	111801	486	personality	nonviolent crime	sex offender				0.01	0.7
141	111906	322	personality	sexual crime	non-incarcerated offenders				0.9	0.99
142	111908	450	personality	sexual crime	incarcerated offenders	0.23	0.07	7.72	0.141	0.987
143	112506	121	personality	time to offense/recidivism	non-incarcerated offenders				0.003	0.012
144	113107	319	personality	weapons offense	psychiatric patients				0.9	0.99
145	113207	319	personality	parole violation	psychiatric patients				0.9	0.99
146	113908	450	personality	acquisitive recidivism	incarcerated offenders	1.61	1.14	2.29	0.007	0.049
147	120107	96	time	violent crime	psychiatric patients	0.92			0.001	0.041
148	120207	96	time	property crime	psychiatric patients	0.87			0.001	0.041
149	120307	96	time	drug related crime	psychiatric patients	0.88			0.001	0.041
150	120607	96	time	multiple category crime	psychiatric patients	0.89			0.001	0.041
151	130104	60	anxiety	violent crime	incarcerated juvenile offender	1.31	0.42	4.08	0.6547	0.99
152	130105	137	anxiety	violent crime	non-incarcerated juvenile offender				0.9	0.99
153	130204	60	anxiety	property crime	incarcerated juvenile offender	2.68	0.94	7.6	0.0647	0.99
154	130302	292	anxiety	drug related crime	general population	1.3	0.3	5.7	0.766	0.99
155	130304	60	anxiety	drug related crime	incarcerated juvenile offender	1.41	0.5	3.95	0.5266	0.99
156	130402	292	anxiety	frequent violent crime	general population	8.2	3	22.4	0.000048	0.00294
157	131402	292	anxiety	traffic crime	general population	0.5	0.2	1.5	0.076	0.99
158	131502	292	anxiety	drink driving	general population	1.9	0.6	5.9	0.28	0.99
159	131602	292	anxiety	criminality	general population	3	1.7	5.4	0.001	0.061
160	131704	60	anxiety	severe recidivism	incarcerated juvenile offender	2.07	0.43	10.08	0.3704	0.99
161	132302	269	anxiety	antisocial behaviour	general population	5.3	1.1	25.6	0.049	0.99
162	132305	184	anxiety	antisocial behaviour	non-incarcerated juvenile offender	3.92			0.002	0.046
163	132807	84	anxiety	homicide	psychiatric patients				0.9	0.99
164	133002	490	anxiety	adult onset criminality	general population	2	1	4	0.049	0.99
165	160205	113	psychopathy traits	property crime	non-incarcerated juvenile offender				0.049	0.392
166	160207	218	psychopathy traits	property crime	psychiatric patients	1.17	1	1.39	0.049616	0.49616
167	160407	284	psychopathy traits	frequent violent crime	psychiatric patients				0.046	0.99
168	161601	321	psychopathy traits	criminality	sex offender				0.01	0.63
169	161602	376	psychopathy traits	criminality	general population				0.049	0.196
170	161704	383	psychopathy traits	severe recidivism	incarcerated juvenile offender				0.9	0.99
171	161706	288	psychopathy traits	severe recidivism	non-incarcerated offenders				0.01	0.21
172	161801	486	psychopathy traits	nonviolent crime	sex offender				0.01	0.7
173	161802	429	psychopathy traits	nonviolent crime	general population	1.08	1	1.16	0.043	0.903
174	161908	396	psychopathy traits	sexual crime	incarcerated offenders	1.043			0.043	0.99
175	162006	399	psychopathy traits	nonsexual recidivism	non-incarcerated offenders	1.08	1.05	1.11	0.001	0.009
176	162008	396	psychopathy traits	nonsexual recidivism	incarcerated offenders				0.01	0.3
177	162501	321	psychopathy traits	time to offense/recidivism	sex offender				0.9	0.99
178	162506	121	psychopathy traits	time to offense/recidivism	non-incarcerated offenders	1.14	1.06	1.23	0.001	0.004
179	162508	185	psychopathy traits	time to offense/recidivism	incarcerated offenders				0.02	0.12
180	162705	363	psychopathy traits	firesetting (recidivism)	non-incarcerated juvenile offender				0.001	0.002

181	163002	490	psychopathy traits	adult onset criminality	general population	1.3	0.56	3.1	0.552725	0.99
182	163402	376	psychopathy traits	arrests	general population				0.01	0.04
183	163702	398	psychopathy traits	delinquency	general population				0.049	0.392
184	163707	353	psychopathy traits	delinquency	psychiatric patients	2.37			0.001	0.005
185	170101	486	SES	violent crime	sex offender				0.01	0.7
186	170105	344	SES	violent crime	non-incarcerated juvenile offender	2.67	0.85	8.42	0.092339	0.99
187	170108	205	SES	violent crime	incarcerated offenders	1.16			0.049	0.99
188	170111	479	SES	violent crime	traumatized children vs. controls				0.9	0.99
189	171602	387	SES	criminality	general population	1.5	1.1	2.1	0.0103	0.2884
190	171607	293	SES	criminality	psychiatric patients	0.97	0.526	1.79	0.92	0.99
191	171801	486	SES	nonviolent crime	sex offender				0.01	0.7
192	171901	486	SES	sexual crime	sex offender				0.9	0.99
193	172302	286	SES	antisocial behaviour	general population				0.9	0.99
194	173002	490	SES	adult onset criminality	general population	2.3	1.1	4.6	0.049	0.99
195	180102	454	SMI(+drugs)	violent crime	general population	3.75	2.13	6.62	0.001	0.07
196	180302	454	SMI(+drugs)	drug related crime	general population	5.2	3.61	7.5	0.001	0.07
197	181607	203	SMI(+drugs)	criminality	psychiatric patients	16.1	12.9	20.2	0.001	0.01
198	182807	84	SMI(+drugs)	homicide	psychiatric patients	6.3	1.4	28	0.016361	0.88354
199	190107	284	HCR20	violent crime	psychiatric patients	1.101	1.03	1.176	0.004	0.288
200	190407	284	HCR20	frequent violent crime	psychiatric patients				0.075	0.99
201	191906	322	HCR20	sexual crime	non-incarcerated offenders				0.9	0.99
202	200107	284	VRAG	violent crime	psychiatric patients	1.064	1.023	1.106	0.002	0.144
203	200407	284	VRAG	frequent violent crime	psychiatric patients				0.092	0.99
204	220107	284	anger	violent crime	psychiatric patients				0.007	0.504
205	220407	284	anger	frequent violent crime	psychiatric patients				0.34	0.99
206	222602	487	anger	sexual agression	general population	1.1			0.001	0.014
207	230207	218	impulsiveness	property crime	psychiatric patients	0.99	0.84	1.18	0.912157	0.99
208	230407	284	impulsiveness	frequent violent crime	psychiatric patients				0.395	0.99
209	231608	111	impulsiveness	criminality	incarcerated offenders	1.21	1.11	1.31	0.00002	0.00044
210	240107	284	PANSS psychopathology	violent crime	psychiatric patients	1.303	1.098	1.547	0.002	0.144
211	240407	284	PANSS psychopathology	frequent violent crime	psychiatric patients				0.001	0.072
212	250107	284	MAST/DAST	violent crime	psychiatric patients				0.219	0.99
213	250407	284	MAST/DAST	frequent violent crime	psychiatric patients				0.715	0.99
214	270101	346	non-schizophrenia	violent crime	sex offender	2.2	1.4	3.6	0.00067	0.01139
215	270202	292	non-schizophrenia	property crime	general population	4.1	2.8	5.8	0.001	0.061
216	271402	292	non-schizophrenia	traffic crime	general population	1.1	0.7	2.1	0.669	0.99
217	271502	292	non-schizophrenia	drink driving	general population	1.2	0.7	2.1	0.502	0.99
218	271602	292	non-schizophrenia	criminality	general population	3.6	2.7	4.6	0.001	0.061
219	271606	446	non-schizophrenia	criminality	non-incarcerated offenders	1.4	0.44	4.45	0.57	0.99
220	271607	436	non-schizophrenia	criminality	psychiatric patients				0.9	0.99
221	271901	346	non-schizophrenia	sexual crime	sex offender	3.1	1.8	5.6	0.000053	0.000901
222	272305	184	non-schizophrenia	antisocial behaviour	non-incarcerated juvenile offender	4.69			0.001	0.023
223	280101	346	schizophrenia spectrum	violent crime	sex offender	1.2	0.3	5.1	0.808587	0.99
224	280102	292	schizophrenia spectrum	violent crime	general population	0.5	0.1	5.1	0.588	0.99
225	280202	292	schizophrenia spectrum	property crime	general population	5.4	1.4	20.6	0.014	0.854
226	280207	203	schizophrenia spectrum	property crime	psychiatric patients	3.7	3	4.5	0.001	0.01
227	280302	292	schizophrenia spectrum	drug related crime	general population	6.4	1.2	35.5	0.033	0.99
228	280307	203	schizophrenia spectrum	drug related crime	psychiatric patients	5.4	3.3	9	0.001	0.01
229	280402	292	schizophrenia spectrum	frequent violent crime	general population	3.6	0.4	30.2	0.256043	0.99
230	281402	292	schizophrenia spectrum	traffic crime	general population	1.4	0.3	7.1	0.656	0.99

231	281602	292	schizophrenia spectrum	criminality	general population	3.5	1.2	10.3	0.022	0.99
232	281605	285	schizophrenia spectrum	criminality	non-incarcerated juvenile offender	1.06	0.75	1.51	0.754246	0.99
233	281901	346	schizophrenia spectrum	sexual crime	sex offender	5.1	1.6	16.1	0.0059	0.1003
234	300101	486	depression	violent crime	sex offender				0.9	0.99
235	300104	60	depression	violent crime	incarcerated juvenile offender	0.8	0.31	2.04	0.6575	0.99
236	300107	513	depression	violent crime	psychiatric patients	0.91	0.55	1.52	0.726671	0.99
237	300204	60	depression	property crime	incarcerated juvenile offender	0.65	0.26	1.61	0.3628	0.99
238	300302	292	depression	drug related crime	general population	5	3	8.3	0.001	0.061
239	300304	60	depression	drug related crime	incarcerated juvenile offender	0.47	0.18	1.2	0.1231	0.99
240	301402	292	depression	traffic crime	general population	0.6	0.2	2.2	0.469	0.99
241	301502	292	depression	drink driving	general population	1.1	0.3	4.6	0.867	0.99
242	301602	292	depression	criminality	general population	3.1	1.5	6.1	0.001	0.061
243	301606	317	depression	criminality	non-incarcerated offenders				0.9	0.99
244	301608	111	depression	criminality	incarcerated offenders	0.95	0.86	1.04	0.317052	0.99
245	301704	60	depression	severe recidivism	incarcerated juvenile offender	0.67	0.21	2.08	0.5089	0.99
246	301801	486	depression	nonviolent crime	sex offender				0.9	0.99
247	301901	486	depression	sexual crime	sex offender				0.9	0.99
248	302305	184	depression	antisocial behaviour	non-incarcerated juvenile offender	1.72			0.023	0.529
249	302508	405	depression	time to offense/recidivism	incarcerated offenders				0.045	0.09
250	302807	84	depression	homicide	psychiatric patients				0.9	0.99
251	303702	279	depression	delinquency	general population	1.52	1.16	1.99	0.01	0.02
252	320106	317	bipolar	violent crime	non-incarcerated offenders				0.9	0.99
253	320107	513	bipolar	violent crime	psychiatric patients	0.44	0.28	0.7	0.0004	0.0104
254	321606	317	bipolar	criminality	non-incarcerated offenders				0.9	0.99
255	321607	436	bipolar	criminality	psychiatric patients				0.9	0.99
256	322807	84	bipolar	homicide	psychiatric patients				0.9	0.99
257	330102	454	urban/rural	violent crime	general population	1.0869	0.8	1.47059	0.600950	0.99
258	330106	317	urban/rural	violent crime	non-incarcerated offenders	0.6997			0.035	0.99
259	330302	454	urban/rural	drug related crime	general population	0.88	0.69	1.14	0.307274	0.99
260	331606	317	urban/rural	criminality	non-incarcerated offenders	0.6807			0.001	0.03
261	340106	391	childhood adversity	violent crime	non-incarcerated offenders	0.64	0.22	1.86	0.9	0.99
262	340111	479	childhood adversity	violent crime	traumatized children vs. controls				0.001	0.018
263	341601	253	childhood adversity	criminality	sex offender	1.39	1.01	1.93	0.045	0.675
264	341602	387	childhood adversity	criminality	general population	1.7	1.3	2.3	0.00011	0.00308
265	341605	137	childhood adversity	criminality	non-incarcerated juvenile offender				0.9	0.99
266	341606	401	childhood adversity	criminality	non-incarcerated offenders				0.9	0.99
267	341607	275	childhood adversity	criminality	psychiatric patients				0.05	0.3
268	341608	378	childhood adversity	criminality	incarcerated offenders	1.05			0.743	0.99
269	341704	384	childhood adversity	severe recidivism	incarcerated juvenile offender				0.03	0.39
270	341801	486	childhood adversity	nonviolent crime	sex offender				0.01	0.7
271	341802	429	childhood adversity	nonviolent crime	general population	0.94	0.72	1.23	0.644	0.99
272	342602	487	childhood adversity	sexual agression	general population	4.2			0.001	0.014
273	343002	490	childhood adversity	adult onset criminality	general population	2.5	1	6.7	0.049	0.99
274	343407	275	childhood adversity	arrests	psychiatric patients	3.6	1.26	10.4	0.02	0.12
275	360107	293	IQ-related	violent crime	psychiatric patients	0.971	0.483	1.951	0.93	0.99
276	360205	113	IQ-related	property crime	non-incarcerated juvenile offender				0.9	0.99
277	361604	383	IQ-related	criminality	incarcerated juvenile offender				0.9	0.99
278	361606	343	IQ-related	criminality	non-incarcerated offenders				0.001	0.031

279	361607	293	IQ-related	criminality	psychiatric patients	1.618	0.866	3.023	0.13	0.99
280	361608	111	IQ-related	criminality	incarcerated offenders	1.05	0.97	1.14	0.229714	0.99
281	361704	383	IQ-related	severe recidivism	incarcerated juvenile offender				0.9	0.99
282	361906	343	IQ-related	sexual crime	non-incarcerated offenders				0.001	0.031
283	363002	490	IQ-related	adult onset criminality	general population	0.84	0.4	1.8	0.9	0.99
284	370106	391	life history agression	violent crime	non-incarcerated offenders				0.002	0.048
285	380106	391	parental (mental) factors	violent crime	non-incarcerated offenders	2.68	1.05	6.86	0.04	0.96
286	380111	479	parental (mental) factors	violent crime	traumatized children vs. controls				0.049	0.882
287	380202	434	parental (mental) factors	property crime	general population	1.6	1.2	2.2	0.01	0.45
288	380402	434	parental (mental) factors	frequent violent crime	general population	1.4	1.1	1.8	0.001	0.045
289	381402	434	parental (mental) factors	traffic crime	general population	1.4	1.02	1.9	0.049	0.99
290	381502	434	parental (mental) factors	drink driving	general population	2.2	1.4	3.5	0.01	0.45
291	381607	293	parental (mental) factors	criminality	psychiatric patients	1.029	0.439	2.413	0.95	0.99
292	381704	383	parental (mental) factors	severe recidivism	incarcerated juvenile offender				0.001	0.006
293	381802	429	parental (mental) factors	nonviolent crime	general population	1.67	1.27	2.19	0.001	0.021
294	382302	286	parental (mental) factors	antisocial behaviour	general population	0.63			0.01	0.13
295	383002	490	parental (mental) factors	adult onset criminality	general population	0.64	0.14	2.9	0.576683	0.99
296	383707	381	parental (mental) factors	delinquency	psychiatric patients	1.3	1.1	1.5	0.01	0.07
297	390102	454	employment	violent crime	general population	1.6393	1.316	2	0.001	0.07
298	390302	454	employment	drug related crime	general population	1.5151	1.22	1.92308	0.001	0.07
299	391606	401	employment	criminality	non-incarcerated offenders				0.9	0.99
300	391608	378	employment	criminality	incarcerated offenders	1.4025			0.01	0.15
301	392807	84	employment	homicide	psychiatric patients	3.3	1.3	8.6	0.011960	0.64585
302	400101	321	marital status	violent crime	sex offender	1.19	0.57	2.47	0.656148	0.99
303	400102	454	marital status	violent crime	general population	1.6666	1.37	2.04082	0.001	0.07
304	400106	448	marital status	violent crime	non-incarcerated offenders				0.9	0.99
305	400207	319	marital status	property crime	psychiatric patients				0.9	0.99
306	400302	454	marital status	drug related crime	general population	2.6315	2.041	3.33333	0.001	0.07
307	400307	319	marital status	drug related crime	psychiatric patients				0.9	0.99
308	401407	319	marital status	traffic crime	psychiatric patients				0.9	0.99
309	401601	321	marital status	criminality	sex offender	1.32	0.75	2.32	0.341088	0.99
310	401605	285	marital status	criminality	non-incarcerated juvenile offender	1.07	0.71	1.61	0.759335	0.99
311	401606	402	marital status	criminality	non-incarcerated offenders				0.1	0.99
312	401608	378	marital status	criminality	incarcerated offenders	1.08108			0.541	0.99
313	401901	321	marital status	sexual crime	sex offender	2.63	1	6.97	0.049	0.99
314	402807	84	marital status	homicide	psychiatric patients	1	0.4	2.4	1	0.99
315	403002	490	marital status	adult onset criminality	general population	1.8	0.84	3.8	0.130761	0.99
316	403107	319	marital status	weapons offense	psychiatric patients				0.9	0.99
317	403207	319	marital status	parole violation	psychiatric patients				0.9	0.99
318	410105	344	educational adversity	violent crime	non-incarcerated juvenile offender	0.88	0.34	2.25	0.804298	0.99
319	410302	454	educational adversity	drug related crime	general population	0.71	0.55	0.92	0.01	0.7
320	410402	434	educational adversity	frequent violent crime	general population	1.8	1.1	2.9	0.002	0.09
321	411606	343	educational adversity	criminality	non-incarcerated offenders				0.001	0.031
322	411906	343	educational adversity	sexual crime	non-incarcerated offenders				0.001	0.031
323	412602	487	educational adversity	sexual agression	general population	1.9			0.049	0.686
324	412807	84	educational adversity	homicide	psychiatric patients	0.8	0.2	3	0.765204	0.99
325	413002	490	educational adversity	adult onset criminality	general population	1.2	0.67	2.3	0.550989	0.99

326	421607	436	clouded consciousness	criminality	psychiatric patients				0.9	0.99
327	441607	436	apathy	criminality	psychiatric patients				0.9	0.99
328	451607	436	catatonic stuporous	criminality	psychiatric patients				0.9	0.99
329	470101	486	hostility	violent crime	sex offender				0.049	0.99
330	471607	436	hostility	criminality	psychiatric patients	3.45			0.049	0.99
331	471801	486	hostility	nonviolent crime	sex offender				0.049	0.99
332	471901	486	hostility	sexual crime	sex offender				0.9	0.99
333	472807	84	hostility	homicide	psychiatric patients				0.9	0.99
334	473002	490	hostility	adult onset criminality	general population	1.6	0.78	3.3	0.201244	0.99
335	480101	486	poor social skills	violent crime	sex offender				0.9	0.99
336	481606	401	poor social skills	criminality	non-incarcerated offenders				0.023	0.299
337	481801	486	poor social skills	nonviolent crime	sex offender				0.9	0.99
338	481901	486	poor social skills	sexual crime	sex offender				0.9	0.99
339	482807	84	poor social skills	homicide	psychiatric patients	2.4	0.9	6.5	0.079852	0.99
340	500107	436	lack of insight	violent crime	psychiatric patients	2.02	1.2	3.39	0.0001	0.0033
341	501606	401	lack of insight	criminality	non-incarcerated offenders				0.018	0.234
342	501607	436	lack of insight	criminality	psychiatric patients	2.08	1.5	2.88	0.0001	0.0033
343	502807	84	lack of insight	homicide	psychiatric patients				0.9	0.99
344	510107	512	DSH/suicidality	violent crime	psychiatric patients	1.3	1.1	1.4	0.0004	0.0088
345	511608	111	DSH/suicidality	criminality	incarcerated offenders	0.97	0.88	1.07	0.551031	0.99
346	512807	84	DSH/suicidality	homicide	psychiatric patients				0.9	0.99
347	520101	20	paedophilia	violent crime	sex offender				0.9	0.99
348	521601	20	paedophilia	criminality	sex offender				0.049	0.784
349	521901	20	paedophilia	sexual crime	sex offender	0.33	0.12	0.88	0.049	0.784
350	530101	321	sexual deviance	violent crime	sex offender				0.9	0.99
351	530106	322	sexual deviance	violent crime	non-incarcerated offenders				0.9	0.99
352	531601	321	sexual deviance	criminality	sex offender				0.9	0.99
353	531901	321	sexual deviance	sexual crime	sex offender	3.54	1.43	8.77	0.005	0.315
354	531906	322	sexual deviance	sexual crime	non-incarcerated offenders				0.9	0.99
355	531908	396	sexual deviance	sexual crime	incarcerated offenders				0.9	0.99
356	532008	396	sexual deviance	nonsexual recidivism	incarcerated offenders				0.01	0.3
357	532501	321	sexual deviance	time to offense/recidivism	sex offender				0.9	0.99
358	532508	185	sexual deviance	time to offense/recidivism	incarcerated offenders				0.9	0.99
359	540104	384	victim characteristics	violent crime	incarcerated juvenile offender				0.018	0.234
360	541601	220	victim characteristics	criminality	sex offender				0.049	0.99
361	541704	384	victim characteristics	severe recidivism	incarcerated juvenile offender				0.05	0.65
362	541801	486	victim characteristics	nonviolent crime	sex offender				0.01	0.7
363	550101	220	group offender	violent crime	sex offender				0.9	0.99
364	551601	220	group offender	criminality	sex offender				0.9	0.99
365	551901	220	group offender	sexual crime	sex offender				0.9	0.99
366	560101	220	JSOAP	violent crime	sex offender	1.2			0.001	0.073
367	561601	220	JSOAP	criminality	sex offender				0.001	0.073
368	561901	220	JSOAP	sexual crime	sex offender	1.44			0.01	0.73
369	561906	399	JSOAP	sexual crime	non-incarcerated offenders	1.35	1.01	1.8	0.04	0.36
370	562006	399	JSOAP	nonsexual recidivism	non-incarcerated offenders				0.9	0.99
371	571601	220	sexual offence severity	criminality	sex offender				0.9	0.99
372	571801	486	sexual offence severity	nonviolent crime	sex offender				0.9	0.99
373	580102	240	delinquent peers	violent crime	general population	2.49	1.45	4.3	0.00099	0.03762
374	581601	253	delinquent peers	criminality	sex offender	1.95	1.3	2.92	0.001	0.015
375	582302	286	delinquent peers	antisocial behaviour	general population	1.58			0.001	0.013
376	583002	490	delinquent peers	adult onset criminality	general population	1.2	0.42	3.4	0.746573	0.99

377	583707	353	delinquent peers	delinquency	psychiatric patients	1.6			0.12	0.6
378	590101	261	sexual vs general	violent crime	sex offender	9.31	1.14	76.39	0.049	0.196
379	591601	261	sexual vs general	criminality	sex offender	2.1	0.93	4.71	0.073819	0.29527
380	591801	261	sexual vs general	nonviolent crime	sex offender	2.27	0.86	6.01	0.097590	0.39036
381	591901	261	sexual vs general	sexual crime	sex offender	1.96	0.7	5.5	0.201661	0.80664
382	602807	84	poor selfregulation	homicide	psychiatric patients	5	1.5	16.7	0.008788	0.47456
383	610106	322	violence in SO	violent crime	non-incarcerated offenders				0.04	0.99
384	611906	322	violence in SO	sexual crime	non-incarcerated offenders				0.9	0.99
385	640106	322	paraphilia	violent crime	non-incarcerated offenders				0.9	0.99
386	641906	322	paraphilia	sexual crime	non-incarcerated offenders				0.9	0.99
387	660106	322	STATIC99	violent crime	non-incarcerated offenders				0.9	0.99
388	661906	322	STATIC99	sexual crime	non-incarcerated offenders				0.9	0.99
389	680101	346	neurology/THI/Epilepsy	violent crime	sex offender	1.8	0.7	4.5	0.224566	0.99
390	681606	343	neurology/THI/Epilepsy	criminality	non-incarcerated offenders				0.001	0.031
391	681901	346	neurology/THI/Epilepsy	sexual crime	sex offender	1	0.2	4.1	1	0.99
392	681906	343	neurology/THI/Epilepsy	sexual crime	non-incarcerated offenders				0.001	0.031
393	720101	486	observed agression	violent crime	sex offender				0.049	0.99
394	720104	384	observed agression	violent crime	incarcerated juvenile offender				0.036	0.468
395	721801	486	observed agression	nonviolent crime	sex offender				0.049	0.99
396	721901	486	observed agression	sexual crime	sex offender				0.9	0.99
397	722602	487	observed agression	sexual agression	general population	2.4			0.001	0.014
398	722807	84	observed agression	homicide	psychiatric patients	2.2	0.9	5.4	0.083474	0.99
399	723002	490	observed agression	adult onset criminality	general population	1.2	0.58	2.5	0.635776	0.99
400	723707	353	observed agression	delinquency	psychiatric patients	5.5			0.73	0.99
401	730101	486	selfcriticism	violent crime	sex offender				0.9	0.99
402	731801	486	selfcriticism	nonviolent crime	sex offender				0.9	0.99
403	731901	486	selfcriticism	sexual crime	sex offender				0.9	0.99
404	762602	487	sexual victimization	sexual agression	general population	8.4			0.001	0.014
405	772602	487	exposure Xrated	sexual agression	general population	5.8	3.2	10.5	0.001	0.014
406	782705	363	fire interest	firesetting (recidivism)	non-incarcerated juvenile offender				0.001	0.002
407	792807	84	high risk admission/discharge	homicide	psychiatric patients	9.1	3	27.7	0.000108	0.00587
408	832807	84	agitated at admission	homicide	psychiatric patients	0.8	0.4	1.7	0.539002	0.99
409	842807	84	abnormal speech	homicide	psychiatric patients	1	0.5	2	1	0.99
410	852807	84	abnormal mood admission	homicide	psychiatric patients	0.4	0.2	0.9	0.009557	0.51611
411	862807	84	insomnia	homicide	psychiatric patients				0.9	0.99
412	871608	111	homeless/poor housing	criminality	incarcerated offenders	1.15	1.05	1.25	0.0027	0.0594
413	872807	84	homeless/poor housing	homicide	psychiatric patients	1.3	0.6	2.7	0.516400	0.99
414	873002	490	homeless/poor housing	adult onset criminality	general population	2.9	1.5	5.4	0.049	0.99
415	882807	84	lack supportive carer	homicide	psychiatric patients				0.9	0.99
416	890102	240	family/friends support	violent crime	general population	0.77	0.49	1.2	0.260013	0.99
417	890107	400	family/friends support	violent crime	psychiatric patients	0.8	0.71	0.91	0.001	0.018
418	891607	400	family/friends support	criminality	psychiatric patients	0.87	0.8	0.94	0.001	0.018
419	891608	188	family/friends support	criminality	incarcerated offenders	0.858			0.02	0.08
420	891807	400	family/friends support	nonviolent crime	psychiatric patients	0.96	0.85	1.08	0.5	0.99
421	911602	387	parenting skills	criminality	general population	1.3	1	1.6	0.04961	0.99
422	911604	384	parenting skills	criminality	incarcerated juvenile offender				0.014	0.182
423	912302	286	parenting skills	antisocial behaviour	general population	2.2222			0.001	0.013
424	913002	490	parenting skills	adult onset criminality	general population	2.2	1	4.8	0.049	0.99
425	921704	384	gambling	severe recidivism	incarcerated juvenile offender				0.045	0.585
426	923002	490	gambling	adult onset criminality	general population	1.1	0.48	2.6	0.833080	0.99

427	940102	240	low emotional distress	violent crime	general population	0.9	0.44	1.83	0.785412	0.99
428	950102	240	prosocial/religious	violent crime	general population	0.88	0.44	1.76	0.730861	0.99
429	981602	387	birth(weight)complications	criminality	general population				0.9	0.99
430	991602	387	low cognitive stimulation	criminality	general population	1.5	1.1	1.9	0.0103	0.2884
431	1000402	434	child health/behaviour problems	frequent violent crime	general population	0.5	0.2	1.1	0.138401	0.99
432	1003002	490	child health/behaviour problems	adult onset criminality	general population	3			0.002	0.082
433	1051608	380	neurological soft signs	criminality	incarcerated offenders				0.9	0.99
434	1060107	392	symptom dynamics	violent crime	psychiatric patients	2.78	1.07	7.18	0.04	0.2
435	1060407	392	symptom dynamics	frequent violent crime	psychiatric patients	1.57	1.17	2.11	0.003	0.015
436	1133407	275	externalizing	arrests	psychiatric patients				0.64	0.99
437	1143407	275	internalizing	arrests	psychiatric patients				0.54	0.99
438	1170307	513	use of psychiatric medication	drug related crime	psychiatric patients	0.71	0.65	0.79	0.00001	0.00026
439	1171807	400	use of psychiatric medication	nonviolent crime	psychiatric patients	0.87	0.75	1.01	0.07	0.99
440	1172807	84	use of psychiatric medication	homicide	psychiatric patients				0.9	0.99
441	1180101	346	(involuntary) admission	violent crime	sex offender	2.1	1.4	3	0.00036	0.00612
442	1181607	190	(involuntary) admission	criminality	psychiatric patients	0.7	0.36	1.35	0.297142	0.99
443	1181608	111	(involuntary) admission	criminality	incarcerated offenders	1.11	1	1.23	0.04961	0.99
444	1181901	346	(involuntary) admission	sexual crime	sex offender	2.5	1.6	4.1	0.000066	0.00112
445	1182807	84	(involuntary) admission	homicide	psychiatric patients	2.1	1.1	4.4	0.024321	0.99
446	1190107	400	psychoeducation	violent crime	psychiatric patients	0.91	0.79	1.04	0.18	0.99
447	1191607	400	psychoeducation	criminality	psychiatric patients	0.92	0.83	1.02	0.13	0.99
448	1191701	347	psychoeducation	severe recidivism	sex offender	0.81	0.48	1.36	0.438178	0.63568
449	1191801	486	psychoeducation	nonviolent crime	sex offender				0.01	0.7
450	1191807	400	psychoeducation	nonviolent crime	psychiatric patients	1.14	0.97	1.35	0.12	0.99
451	1240402	434	general psychological problems	frequent violent crime	general population	1.8	1.3	2.3	0.001	0.045
452	1270102	240	quality neighbourhood/school	violent crime	general population	0.97	0.53	1.79	0.927856	0.99
453	1271602	387	quality neighbourhood/school	criminality	general population				0.9	0.99
454	1272302	286	quality neighbourhood/school	antisocial behaviour	general population	0.79			0.01	0.13
455	1282807	84	homicidal ideas at admission	homicide	psychiatric patients				0.9	0.99